

Converting Colors

$Yxy(77.7004, 0.2715, 0.2903)$

Have a look what the booklet for
Yxy(77.7004, 0.2715, 0.2903)
contains.

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Color

Yxy(76.6512, 0.2787, 0.3032)

Conversions

Conversions Part 1

Format	Color
Hex	C8E7FF
RGB	200, 231, 255
RGB Percent	78%, 91%, 100%
CMY	0.2155, 0.0942, 0.0000
CMYK	0.22, 0.09, 0.00, 0.00
HSL	206°, 100%, 89%
HSV	206°, 22%, 100%
XYZ	70.4574, 76.6512, 105.6988
YIQ	224.4670, -26.1800, 0.8920

Conversions

Conversions Part 2

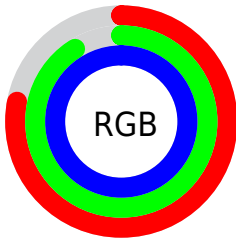
Format	Color
R _Y B	200, 220, 255
Decimal	13166591
CIE Lab	90.16, -5.07, -15.00
CIE LCh	90, 15.831, 251.302
Yxy	76.6512, 0.2787, 0.3032
Android (android.graphics.Color)	4291356671 (0xFFC8E7FF)
YUV	224.4670, 15.0528, -21.4576
Hunter-Lab	87.5507, -9.5637, -10.2946

Details

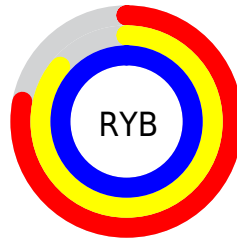
The Yxy color **76.6512, 0.2787, 0.3032** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.7797, 0.3515, 0.3535**, and the grayscale version is **74.8047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.7569, 0.2710, 0.2969** is the 20% darker color. If you saturate the color by 10%, you get **67.3888, 0.2626, 0.2893**, and if you desaturate by 10%, it is **86.9009, 0.2947, 0.3159**.

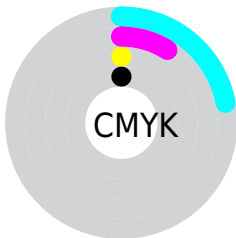
Distribution



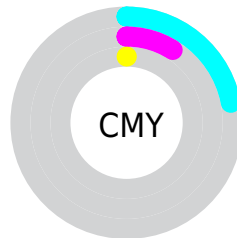
- Red (78%)
- Green (91%)
- Blue (100%)



- Red (78%)
- Yellow (86%)
- Blue (100%)



- Cyan (22%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6512, 0.2787, 0.3032 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 76.6512, 0.2787, 0.3032 by changing the saturation by 10% instead.

■ 76.6512, 0.2787,
0.3032

■ 76.6512, 0.2787,
0.3032

483.5740, 0.2941,
0.3151

■ 56.9666, 0.2753,
0.3005

128.6470, 0.2840,
0.3073

■ 40.9785, 0.2710,
0.2972

161.7270, 0.2861,
0.3089

■ 28.3023, 0.2658,
0.2930

200.0410, 0.2879,
0.3103

■ 18.5536, 0.2590,
0.2875

243.9733, 0.2894,
0.3115

■ 11.3482, 0.2499,
0.2802

293.9084, 0.2908,
0.3126

■ 6.3015, 0.2373,
0.2698

350.2306, 0.2920,

■ 3.0293, 0.2185,

0.3135

0.2539

413.3243, 0.2931,
0.3143

■ 1.1470, 0.1880,
0.2271

■ 0.0178, 0.0000,
0.0163

■ 76.6512, 0.2787,
0.3032

■ 76.6512, 0.2787,
0.3032

■ 67.3888, 0.2626,
0.2893

■ 86.9009, 0.2947,
0.3159

■ 59.0705, 0.2468,
0.2742

■ 98.1652, 0.3103,
0.3273

■ 51.6596, 0.2317,
0.2581

■ 100.0000, 0.3127,
0.3290

■ 45.1137, 0.2178,
0.2412

■ 39.3859, 0.2056,
0.2240

■ 34.4234, 0.1954,
0.2068

■ 30.1639, 0.1874,
0.1900

■ 27.0357, 0.1823,
0.1763

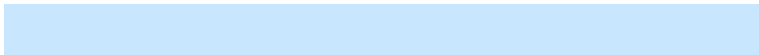
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6512, 0.2775, 0.3160



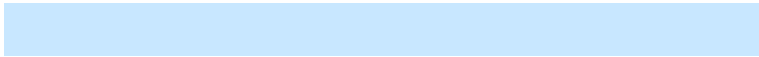
76.6512, 0.2787, 0.3032



76.6512, 0.2887, 0.2976

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6512, 0.2787, 0.3032



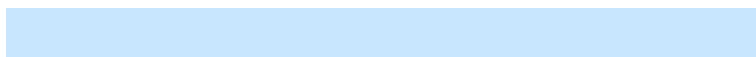
76.6512, 0.3405, 0.3242



76.6512, 0.3194, 0.3601

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



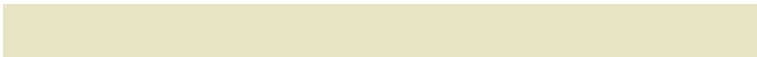
76.6512, 0.2787, 0.3032



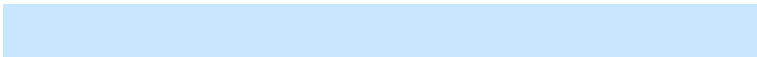
78.7797, 0.3515, 0.3535

Split Complementary

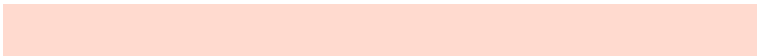
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.6512, 0.3367, 0.3615



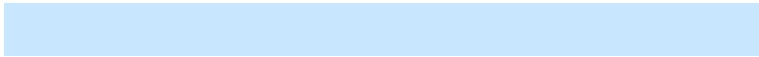
76.6512, 0.2787, 0.3032



76.6512, 0.3492, 0.3402

Square

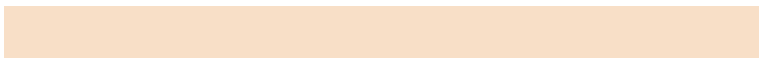
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6512, 0.2787, 0.3032



76.6512, 0.3243, 0.3097



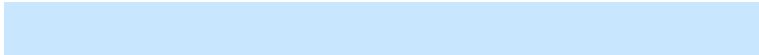
76.6512, 0.3478, 0.3540



76.6512, 0.3006, 0.3496

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6512, 0.2787, 0.3032



76.6512, 0.2992, 0.2984



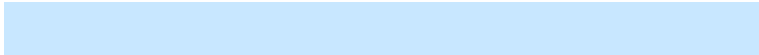
76.6512, 0.3478, 0.3540



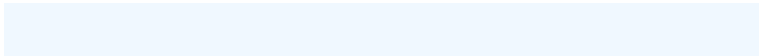
76.6512, 0.3255, 0.3617

Sweetspot

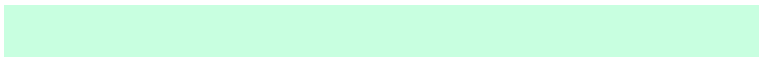
The Sweet Spot groups the original color and five complimentary colors.



76.6535, 0.2787, 0.3032



93.0209, 0.3034, 0.3224



89.1817, 0.2969, 0.3625



19.7525, 0.3024, 0.3217



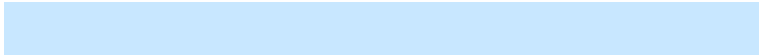
0.0000, 0.0000, 0.0000



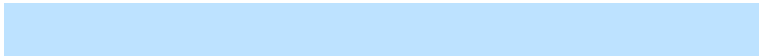
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6535, 0.2787, 0.3032



72.4082, 0.2715, 0.2972



62.5596, 0.2765, 0.2728



19.0748, 0.2979, 0.3184



14.4294, 0.1831, 0.1790



1.6225, 0.1882, 0.1975

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



68.3637, 0.3326, 0.2979



63.0188, 0.3378, 0.2912



94.6379, 0.3461, 0.3796



18.1584, 0.3206, 0.3157



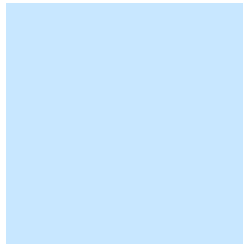
12.1846, 0.4698, 0.2362



1.2083, 0.4481, 0.2242

Previews

White Background



This preview shows how the Yxy color 76.6512, 0.2787, 0.3032 looks on a white background.

Color Contrast Check

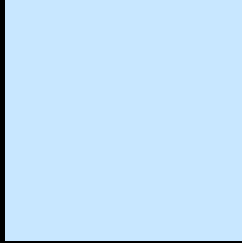
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 76.6512, 0.2787, 0.3032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

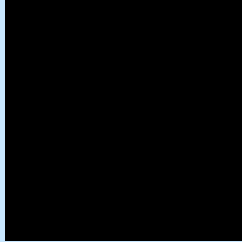
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

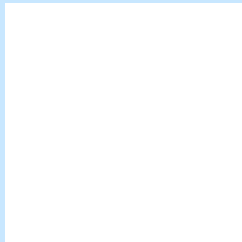
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.6512, 0.2787, 0.3032

Background



This preview shows how black text looks on a background with the Yxy color 76.6512, 0.2787, 0.3032.



This preview shows how white text looks on a background with the Yxy color 76.6512, 0.2787, 0.3032.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.6512, 0.2787, 0.3032

Protanopia

76.5034, 0.2951, 0.3019

Deuteranopia

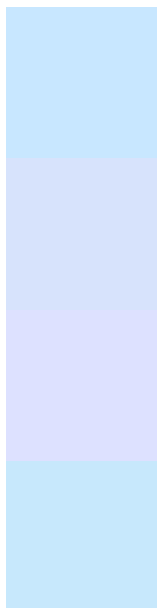
76.2565, 0.2993, 0.2944



Tritanopia

76.7575, 0.2809, 0.3095

Trichromacy



Original Color

76.6512, 0.2787, 0.3032

Protanomaly

76.4135, 0.2894, 0.3027

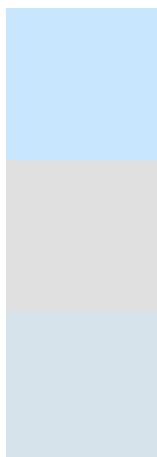
Deuteranomaly

76.4426, 0.2914, 0.2978

Tritanomaly

76.8836, 0.2798, 0.3074

Monochromacy



Original Color

76.6512, 0.2787, 0.3032

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.3834, 0.2996, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6512, 0.2787, 0.3032 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(200, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 231, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(200, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.6512, 0.2787, 0.3032 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(200, 231, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(200, 231, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(200, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 231,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6512, 0.2787, 0.3032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 231, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(200,  
231, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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