

Converting Colors

$Yxy(30.0635, 0.2148, 0.2054)$

Have a look what the booklet for
Yxy(30.0635, 0.2148, 0.2054)
contains.

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Color

Yxy(30.1776, 0.2147, 0.2057)

Conversions

Conversions Part 1

Format	Color
Hex	6694EE
RGB	102, 148, 238
RGB Percent	40%, 58%, 93%
CMY	0.6000, 0.4196, 0.0668
CMYK	0.57, 0.38, 0.00, 0.07
HSL	220°, 80%, 67%
HSV	220°, 57%, 93%
XYZ	31.4980, 30.1776, 85.0313
YIQ	144.5060, -56.3060, 18.2380

Conversions

Conversions Part 2

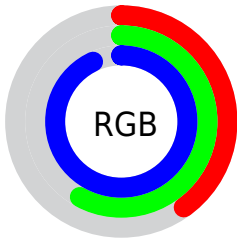
Format	Color
RYB	102, 136, 238
Decimal	6722798
CIELab	61.81, 10.63, -50.03
CIELCh	62, 51.144, 281.997
Yxy	30.1776, 0.2147, 0.2057
Android (android.graphics.Color)	4284912878 (0xFF6694EE)
YUV	144.5060, 46.0925, -37.2778
Hunter-Lab	54.9341, 6.2130, -53.3197

Details

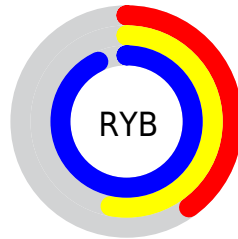
The Yxy color **30.1776, 0.2147, 0.2057** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **56.8145, 0.4220, 0.4244**, and the grayscale version is **27.9325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0381, 0.2521, 0.2669**, and **12.3786, 0.1871, 0.1741** is the 20% darker color. If you saturate the color by 10%, you get **24.3738, 0.1985, 0.1800**, and if you desaturate by 10%, it is **37.0543, 0.2322, 0.2311**.

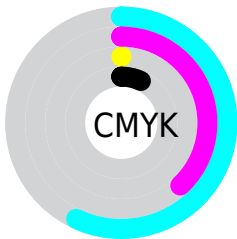
Distribution



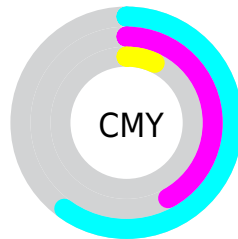
- Red (40%)
- Green (58%)
- Blue (93%)



- Red (40%)
- Yellow (53%)
- Blue (93%)



- Cyan (57%)
- Magenta (38%)
- Yellow (0%)
- Black (7%)





- Cyan (60%)
- Magenta (42%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.1776, 0.2147, 0.2057 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 30.1776, 0.2147, 0.2057 by changing the saturation by 10% instead.


 30.1776, 0.2147,
0.2057


 30.1776, 0.2147,
0.2057


302.7314, 0.2648,
0.2667


 19.9734, 0.2024,
0.1913


 59.9429, 0.2329,
0.2274

 12.3757, 0.1868,
0.1734


 80.2729, 0.2397,
0.2357

 7.0001, 0.1669,
0.1510


 104.7469, 0.2455,
0.2428

 3.4622, 0.1408,
0.1225

 133.7493, 0.2505,
0.2489

 1.3775, 0.1065,
0.0868

167.6646, 0.2548,
0.2542

 0.2001, 0.0576,
0.0256

206.8771, 0.2586,

 0.0000, 0.0000,

0.2589

0.0000

251.7712, 0.2619,
0.2630

■ 30.1776, 0.2147,
0.2057

■ 30.1776, 0.2147,
0.2057

■ 24.3738, 0.1985,
0.1800

■ 37.0543, 0.2322,
0.2311

■ 19.5776, 0.1843,
0.1550

■ 45.0573, 0.2502,
0.2554

■ 15.7201, 0.1730,
0.1319


■ 54.2396, 0.2681,
0.2780


■ 12.7169, 0.1649,
0.1117

■ 64.6498, 0.2854,
0.2986

■ 11.9856, 0.1629,
0.1065

■ 76.3335, 0.3017,
0.3171

 89.3339, 0.3170,
0.3335

 98.9514, 0.3226,
0.3454

Harmonies

Analogous

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



30.1776, 0.1797, 0.2185



30.1776, 0.2147, 0.2057



30.1776, 0.2782, 0.2187

Triad

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



30.1776, 0.2147, 0.2057



30.1776, 0.4749, 0.3621



30.1776, 0.2537, 0.4271

Complementary

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



30.1776, 0.2147, 0.2057



56.8145, 0.4220, 0.4244

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.



30.1776, 0.3294, 0.4787



30.1776, 0.2147, 0.2057



30.1776, 0.4598, 0.4214

Square

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



30.1776, 0.2147, 0.2057



30.1776, 0.4381, 0.3037



30.1776, 0.4049, 0.4692



30.1776, 0.1982, 0.3385

Rectangle

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



30.1776, 0.2147, 0.2057



30.1776, 0.3327, 0.2396



30.1776, 0.4049, 0.4692



30.1776, 0.2776, 0.4508

Sweetspot

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



30.1786, 0.2147, 0.2057



75.7311, 0.2855, 0.2987



67.6918, 0.2628, 0.3920



15.6581, 0.2821, 0.2947



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.



30.1786, 0.2147, 0.2057



27.2301, 0.1953, 0.1746



19.8405, 0.2152, 0.1511



16.1029, 0.2980, 0.3129



6.9028, 0.1637, 0.1093



0.7517, 0.1710, 0.1354

Inverse Universe

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



29.8133, 0.4256, 0.2798



28.7112, 0.4652, 0.2744



76.9321, 0.3792, 0.4724



15.8471, 0.3240, 0.3210



10.4902, 0.5621, 0.2870



0.8906, 0.5252, 0.2667

Previews

White Background



This preview shows how the Yxy color 30.1776, 0.2147, 0.2057 looks on a white background.

Color Contrast Check

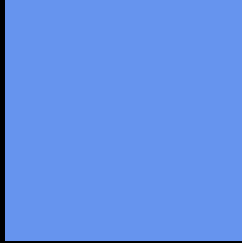
Large Text (above 18pt) WCAG AA × Fail

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 30.1776, 0.2147, 0.2057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

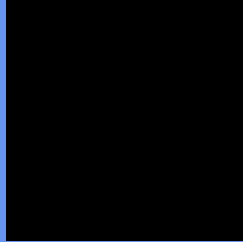
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

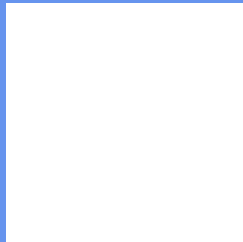
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.1776, 0.2147, 0.2057

Background



This preview shows how black text looks on a background with the Yxy color 30.1776, 0.2147, 0.2057.



This preview shows how white text looks on a background with the Yxy color 30.1776, 0.2147, 0.2057.

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

30.1776, 0.2147, 0.2057

Protanopia

30.1913, 0.2216, 0.2067

Deuteranopia

30.2093, 0.2125, 0.2063



Tritanopia

30.1235, 0.2388, 0.3068

Trichromacy



Original Color

30.1776, 0.2147, 0.2057

Protanomaly

30.2969, 0.2191, 0.2065

Deuteranomaly

30.3206, 0.2135, 0.2066

Tritanomaly

29.7866, 0.2288, 0.2641

Monochromacy



Original Color

30.1776, 0.2147, 0.2057

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.4796, 0.2676, 0.2775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1776, 0.2147, 0.2057 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(102, 148, 238)` looks like.

```
.text, #text, p{  
    color:rgb(102, 148, 238)  
}
```

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(102, 148, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 148, 238) }
```

Border

The CSS property to change the border of an element to Yxy 30.1776, 0.2147, 0.2057 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(102, 148, 238) }
```

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

```
.border{ border-color:rgb(102, 148, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 148, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 148, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 148, 238);  
box-shadow:4px 4px 4px 4px rgb(102, 148,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1776, 0.2147, 0.2057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 148, 238) }
```

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

```
.background{ background-color: rgb(102,  
148, 238) }
```

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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