

Converting Colors

$Yxy(64.0542, 0.2375, 0.3125)$

Have a look what the booklet for
Yxy(64.0542, 0.2375, 0.3125)
contains.

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Color

Yxy(64.0542, 0.2375, 0.3125)

Conversions

Conversions Part 1

Format	Color
Hex	66E3F0
RGB	102, 227, 240
RGB Percent	40%, 89%, 94%
CMY	0.5998, 0.1098, 0.0588
CMYK	0.57, 0.05, 0.00, 0.06
HSL	186°, 82%, 67%
HSV	186°, 57%, 94%
XYZ	48.6812, 64.0542, 92.2380
YIQ	191.1070, -78.6730, -22.4570

Conversions

Conversions Part 2

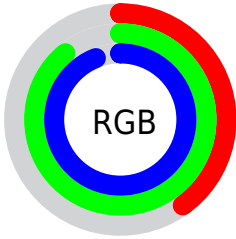
Format	Color
R _Y B	102, 168, 240
Decimal	6743024
CIE Lab	83.99, -30.96, -16.84
CIE LCh	84, 35.243, 208.537
Yxy	64.0542, 0.2375, 0.3125
Android (android.graphics.Color)	4284933104 (0xFF66E3F0)
YUV	191.1070, 24.1042, -78.1468
Hunter-Lab	80.0339, -31.4853, -12.3073

Details

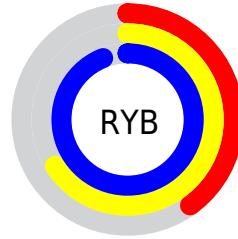
The Yxy color **64.0542, 0.2375, 0.3125** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.7621, 0.4802, 0.3430**, and the grayscale version is **52.0667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **32.7151, 0.2201, 0.3069** is the 20% darker color. If you saturate the color by 10%, you get **61.6209, 0.2295, 0.3092**, and if you desaturate by 10%, it is **66.9145, 0.2474, 0.3157**.

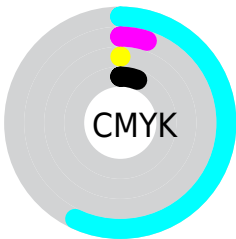
Distribution



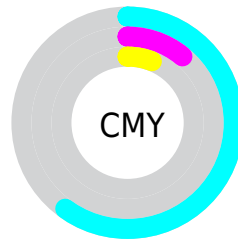
- Red (40%)
- Green (89%)
- Blue (94%)



- Red (40%)
- Yellow (66%)
- Blue (94%)



- Cyan (57%)
- Magenta (5%)
- Yellow (0%)
- Black (6%)



- Cyan (60%)
- Magenta (11%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0542, 0.2375, 0.3125 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 64.0542, 0.2375, 0.3125 by changing the saturation by 10% instead.

64.0542, 0.2375,
0.3125

64.0542, 0.2375,
0.3125

439.3853, 0.2721,
0.3213

46.6946, 0.2297,
0.3102

110.6890, 0.2494,
0.3158

32.7943, 0.2202,
0.3072

140.7329, 0.2541,
0.3170

21.9689, 0.2083,
0.3032

175.7738, 0.2581,
0.3180

13.8340, 0.1929,
0.2976

216.1959, 0.2616,
0.3189

8.0053, 0.1727,
0.2893

262.3838, 0.2647,
0.3196

4.0984, 0.1449,
0.2761

314.7217, 0.2674,

1.7287, 0.1049,

0.3203

373.5941, 0.2699,
0.3208

0.2531

0.4422, 0.0000,
0.1939

0.0000, 0.0000,
0.0000

64.0542, 0.2375,
0.3125

64.0542, 0.2375,
0.3125

61.6209, 0.2295,
0.3092

66.9145, 0.2474,
0.3157

59.5711, 0.2234,
0.3059


70.2263, 0.2590,
0.3188


57.8648, 0.2192,
0.3027

74.0209, 0.2720,
0.3218


56.4457, 0.2168,
0.2995

78.3244, 0.2861,
0.3246

 56.1112, 0.2163,
0.2987

 83.1613, 0.3011,
0.3272

 88.5542, 0.3167,
0.3296

 91.5557, 0.3224,
0.3318

 92.9172, 0.3222,
0.3340

 94.2956, 0.3221,
0.3361

Harmonies

Analogous

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



64.0542, 0.2621, 0.3562



64.0542, 0.2375, 0.3125



64.0542, 0.2318, 0.2780

Triad

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



64.0542, 0.2375, 0.3125



64.0542, 0.3197, 0.2748



64.0542, 0.3818, 0.3992

Complementary

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



64.0542, 0.2375, 0.3125



31.7621, 0.4802, 0.3430

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.



64.0542, 0.4005, 0.3717



64.0542, 0.2375, 0.3125



64.0542, 0.3636, 0.3022

Square

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



64.0542, 0.2375, 0.3125



64.0542, 0.2767, 0.2595



64.0542, 0.3940, 0.3367



64.0542, 0.3450, 0.4091

Rectangle

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



64.0542, 0.2375, 0.3125



64.0542, 0.2389, 0.2640



64.0542, 0.3940, 0.3367



64.0542, 0.3905, 0.3915

Sweetspot

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



64.0566, 0.2375, 0.3125



90.1050, 0.2868, 0.3247



66.3554, 0.2993, 0.5007



19.0617, 0.2838, 0.3242



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.



64.0566, 0.2375, 0.3125



70.2730, 0.2283, 0.3087



34.1001, 0.2174, 0.2199



17.6592, 0.2981, 0.3267



30.8218, 0.2164, 0.2992



2.6376, 0.2176, 0.3034

Inverse Universe

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



33.5857, 0.3318, 0.2043



33.0564, 0.3363, 0.1867



53.1581, 0.4301, 0.4144



16.0042, 0.3152, 0.3079



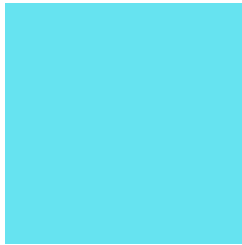
12.9048, 0.3461, 0.1681



1.0810, 0.3424, 0.1660

Previews

White Background



This preview shows how the Yxy color 64.0542, 0.2375, 0.3125 looks on a white background.

Color Contrast Check

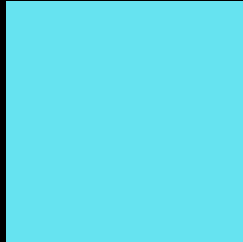
Large Text (above 18pt) WCAG AA × Fail

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 64.0542, 0.2375, 0.3125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

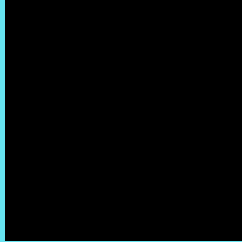
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.0542, 0.2375, 0.3125

Background



This preview shows how black text looks on a background with the Yxy color 64.0542, 0.2375, 0.3125.



This preview shows how white text looks on a background with the Yxy color 64.0542, 0.2375, 0.3125.

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

64.0542, 0.2375, 0.3125

Protanopia

63.2935, 0.2984, 0.3064

Deuteranopia

63.0061, 0.2894, 0.2831



Tritanopia

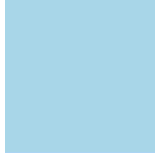
63.9283, 0.2358, 0.3052

Trichromacy



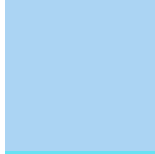
Original Color

64.0542, 0.2375, 0.3125



Protanomaly

62.2442, 0.2705, 0.3074



Deuteranomaly

62.2160, 0.2659, 0.2927



Tritanomaly

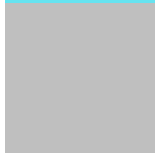
63.7473, 0.2363, 0.3076

Monochromacy



Original Color

64.0542, 0.2375, 0.3125



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

55.1601, 0.2771, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0542, 0.2375, 0.3125 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, 227, 240)` looks like.

```
.text, #text, p{  
    color:rgb(102, 227, 240)  
}
```

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, 227, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 227, 240) }
```

Border

The CSS property to change the border of an element to Yxy 64.0542, 0.2375, 0.3125 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, 227, 240) }
```

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

```
.border{ border-color:rgb(102, 227, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 227, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 227, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 227, 240);  
box-shadow:4px 4px 4px 4px rgb(102, 227,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0542, 0.2375, 0.3125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 227, 240) }
```

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

```
.background{ background-color: rgb(102,  
227, 240) }
```

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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