

Converting Colors

$Y_{xy}(32.3025, 0.2088, 0.1946)$

Have a look what the booklet for
Yxy(32.3025, 0.2088, 0.1946)
contains.

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Color

Yxy(32.1780, 0.2087, 0.1941)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 6697FF |
| RGB | 102, 151, 255 |
| RGB Percent | 40%, 59%, 100% |
| CMY | 0.5999, 0.4079, 0.0000 |
| CMYK | 0.60, 0.41, 0.00, 0.00 |
| HSL | 221°, 100%, 70% |
| HSV | 221°, 60%, 100% |
| XYZ | 34.5984, 32.1780, 99.0041 |
| YIQ | 148.2050, -62.5880, 21.9560 |

Conversions

Conversions Part 2

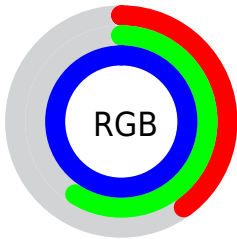
| Format | Color |
|-------------------------------------|---|
| RYB | 102, 139, 255 |
| Decimal | 6723583 |
| CIELab | 63.49, 14.38, -56.71 |
| CIElCh | 63, 58.502, 284.228 |
| Yxy | 32.1780, 0.2087, 0.1941 |
| Android (android.graphics.Color) | 4284913663 (0xFF6697FF) |
| YUV | 148.2050, 52.6499, -40.5218 |
| Hunter-Lab | 56.7257, 9.6017, -63.7718 |

Details

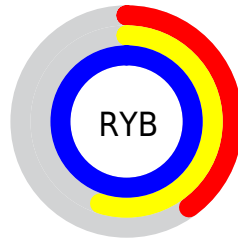
The Yxy color **32.1780, 0.2087, 0.1941** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **66.3727, 0.4267, 0.4310**, and the grayscale version is **29.5018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6692, 0.2538, 0.2708**, and **13.5552, 0.1807, 0.1614** is the 20% darker color. If you saturate the color by 10%, you get **25.7346, 0.1928, 0.1679**, and if you desaturate by 10%, it is **39.9005, 0.2262, 0.2204**.

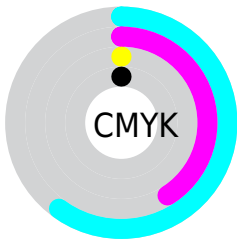
Distribution



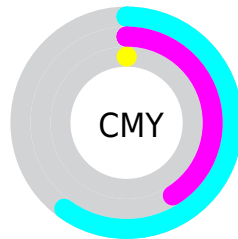
- Red (40%)
- Green (59%)
- Blue (100%)



- Red (40%)
- Yellow (55%)
- Blue (100%)



- Cyan (60%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1780, 0.2087, 0.1941 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 32.1780, 0.2087, 0.1941 by changing the saturation by 10% instead.


 32.1780, 0.2087,
0.1941


 32.1780, 0.2087,
0.1941

311.9293, 0.2610,
0.2590


 21.4975, 0.1962,
0.1793


 63.0900, 0.2274,
0.2167

 13.4881, 0.1807,
0.1614


 84.0903, 0.2345,
0.2255

 7.7655, 0.1610,
0.1393


 109.2994, 0.2406,
0.2331

 3.9453, 0.1360,
0.1121

139.1016, 0.2458,
0.2396

 1.6430, 0.1039,
0.0793

173.8812, 0.2504,
0.2454

 0.3863, 0.0645,
0.0347

214.0228, 0.2543,

 0.0000, 0.0000,

0.2505

0.0000

259.9107, 0.2579,
0.2550

■ 32.1780, 0.2087,
0.1941

■ 32.1780, 0.2087,
0.1941

■ 25.7346, 0.1928,
0.1679

■ 39.9005, 0.2262,
0.2204

■ 20.4903, 0.1792,
0.1429

■ 48.9728, 0.2444,
0.2459

■ 16.3551, 0.1688,
0.1204

■ 59.4609, 0.2627,
0.2698

■ 13.2026, 0.1615,
0.1013

■ 71.4257, 0.2803,
0.2917

■ 13.2006, 0.1615,
0.1013

■ 84.9247, 0.2971,
0.3115

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



32.1780, 0.1688, 0.2049



32.1780, 0.2087, 0.1941



32.1780, 0.2800, 0.2102

Triad

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



32.1780, 0.2087, 0.1941



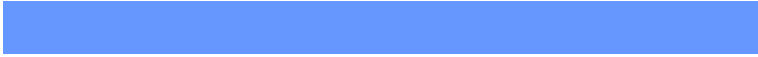
32.1780, 0.4939, 0.3675



32.1780, 0.2405, 0.4335

Complementary

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



32.1780, 0.2087, 0.1941



66.3727, 0.4267, 0.4310

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.



32.1780, 0.3226, 0.4966



32.1780, 0.2087, 0.1941



32.1780, 0.4711, 0.4326

Square

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



32.1780, 0.2087, 0.1941



32.1780, 0.4580, 0.3044



32.1780, 0.4067, 0.4866



32.1780, 0.1828, 0.3310

Rectangle

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



32.1780, 0.2087, 0.1941



32.1780, 0.3415, 0.2340



32.1780, 0.4067, 0.4866



32.1780, 0.2662, 0.4621

Sweetspot

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



32.1783, 0.2087, 0.1941



73.9913, 0.2838, 0.2958



78.7058, 0.2602, 0.3927



15.0396, 0.2788, 0.2898



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.



32.1783, 0.2087, 0.1941



24.5883, 0.1898, 0.1627



21.2782, 0.2109, 0.1419



18.3270, 0.2979, 0.3124



7.1348, 0.1623, 0.1042



0.8822, 0.1685, 0.1264

Inverse Universe

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



33.0008, 0.4389, 0.2808



27.4341, 0.4806, 0.2772



89.2206, 0.3799, 0.4799



18.0829, 0.3244, 0.3214



11.4482, 0.5696, 0.2911



1.1336, 0.5376, 0.2735

Previews

White Background



This preview shows how the Yxy color 32.1780, 0.2087, 0.1941 looks on a white background.

Color Contrast Check

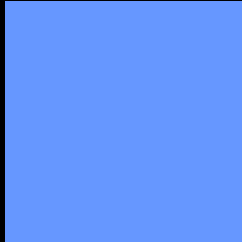
Large Text (above 18pt) WCAG AA × Fail

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 32.1780, 0.2087, 0.1941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

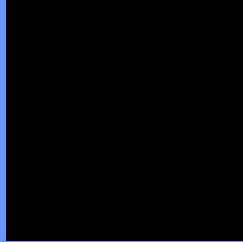
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

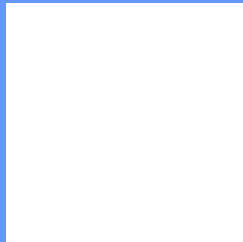
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.1780, 0.2087, 0.1941

Background



This preview shows how black text looks on a background with the Yxy color 32.1780, 0.2087, 0.1941.



This preview shows how white text looks on a background with the Yxy color 32.1780, 0.2087, 0.1941.

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

32.1780, 0.2087, 0.1941

Protanopia

32.2834, 0.2127, 0.1949

Deuteranopia

32.2454, 0.2032, 0.1969



Tritanopia

32.2026, 0.2329, 0.3056

Trichromacy



Original Color

32.1780, 0.2087, 0.1941

Protanomaly

32.0942, 0.2112, 0.1944

Deuteranomaly

32.2135, 0.2053, 0.1963

Tritanomaly

31.7493, 0.2221, 0.2570

Monochromacy



Original Color

32.1780, 0.2087, 0.1941

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.9080, 0.2638, 0.2713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1780, 0.2087, 0.1941 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, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 151, 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(102, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 151, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.1780, 0.2087, 0.1941 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, 151, 255) }
```

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

```
.border{ border-color:rgb(102, 151, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 151,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1780, 0.2087, 0.1941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 151, 255) }
```

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

```
.background{ background-color: rgb(102,  
151, 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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