

Converting Colors

$Y_{xy}(25.0747, 0.2188, 0.2024)$

Have a look what the booklet for
Yxy(25.0747, 0.2188, 0.2024)
contains.

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Color

Yxy(25.1542, 0.2188, 0.2026)

Conversions

Conversions Part 1

Format	Color
Hex	6786DD
RGB	103, 134, 221
RGB Percent	40%, 53%, 87%
CMY	0.5963, 0.4745, 0.1333
CMYK	0.53, 0.39, 0.00, 0.13
HSL	224°, 63%, 64%
HSV	224°, 53%, 87%
XYZ	27.1655, 25.1542, 71.8372
YIQ	134.6490, -46.4030, 20.4850

Conversions

Conversions Part 2

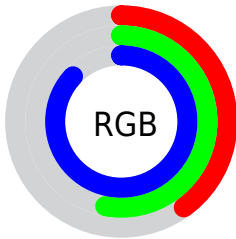
Format	Color
RYB	103, 128, 221
Decimal	6784733
CIELab	57.23, 13.73, -47.86
CIELCh	57, 49.790, 286.004
Yxy	25.1542, 0.2188, 0.2026
Android (android.graphics.Color)	4284974813 (0xFF6786DD)
YUV	134.6490, 42.5710, -27.7562
Hunter-Lab	50.1540, 8.9138, -49.8153

Details

The Yxy color **25.1542, 0.2188, 0.2026** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **53.1535, 0.4079, 0.4279**, and the grayscale version is **23.9411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3377, 0.2495, 0.2486**, and **9.6647, 0.1899, 0.1682** is the 20% darker color. If you saturate the color by 10%, you get **19.8563, 0.2011, 0.1745**, and if you desaturate by 10%, it is **31.4924, 0.2375, 0.2303**.

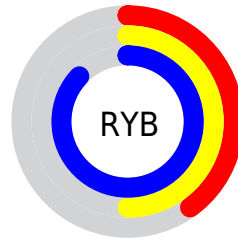
Distribution



Red (40%)

Green (53%)

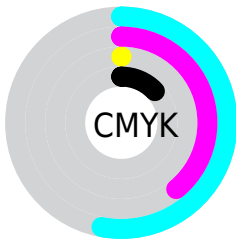
Blue (87%)



Red (40%)

Yellow (50%)

Blue (87%)

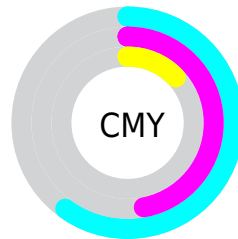


Cyan (53%)

Magenta (39%)

Yellow (0%)

Black (13%)



Cyan (60%)


Magenta (47%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.1542, 0.2188, 0.2026 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 25.1542, 0.2188, 0.2026 by changing the saturation by 10% instead.


 25.1542, 0.2188,
0.2026


 25.1542, 0.2188,
0.2026


278.6050, 0.2685,
0.2666


 16.1920, 0.2060,
0.1870


 51.9073, 0.2372,
0.2257

 9.6601, 0.1896,
0.1676


 70.4669, 0.2441,
0.2344

 5.1742, 0.1681,
0.1429


 92.9945, 0.2498,
0.2418

 2.3498, 0.1392,
0.1113

 119.8744, 0.2547,
0.2482

 0.7999, 0.1005,
0.0716

151.4910, 0.2589,
0.2537

 0.0000, 0.0089,
0.0000

188.2287, 0.2625,

 0.0000, 0.0000,

0.2585

0.0000

230.4719, 0.2657,
0.2628

■ 25.1542, 0.2188,
0.2026

■ 25.1542, 0.2188,
0.2026

■ 19.8563, 0.2011,
0.1745

■ 31.4924, 0.2375,
0.2303

■ 15.5365, 0.1853,
0.1473

■ 38.9226, 0.2562,
0.2567

■ 12.1296, 0.1723,
0.1225


■ 47.4961, 0.2744,
0.2810


■ 9.5593, 0.1628,
0.1013


■ 57.2602, 0.2916,
0.3031

■ 8.2633, 0.1583,
0.0897

■ 68.2591, 0.3076,
0.3228

 80.5349, 0.3222,
0.3402

 93.6215, 0.3336,
0.3555

 98.0010, 0.3327,
0.3621

Harmonies

Analogous

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



25.1542, 0.1790, 0.2117



25.1542, 0.2188, 0.2026



25.1542, 0.2875, 0.2191

Triad

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



25.1542, 0.2188, 0.2026



25.1542, 0.4811, 0.3706



25.1542, 0.2423, 0.4196

Complementary

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



25.1542, 0.2188, 0.2026



53.1535, 0.4079, 0.4279

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.



25.1542, 0.3185, 0.4810



25.1542, 0.2188, 0.2026



25.1542, 0.4585, 0.4311

Square

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



25.1542, 0.2188, 0.2026



25.1542, 0.4505, 0.3103



25.1542, 0.3975, 0.4779



25.1542, 0.1894, 0.3263

Rectangle

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



25.1542, 0.2188, 0.2026



25.1542, 0.3451, 0.2424



25.1542, 0.3975, 0.4779



25.1542, 0.2660, 0.4464

Sweetspot

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



25.1551, 0.2188, 0.2026



75.3624, 0.2871, 0.2974



58.2959, 0.2599, 0.3724



15.5217, 0.2835, 0.2928



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.



25.1551, 0.2188, 0.2026



26.7423, 0.1992, 0.1715



19.6951, 0.2310, 0.1674



13.1716, 0.2981, 0.3113



4.9579, 0.1590, 0.0922



0.4613, 0.1678, 0.1242

Inverse Universe

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



26.7847, 0.4262, 0.2930



30.6218, 0.4654, 0.2884



64.0951, 0.3679, 0.4677



13.1075, 0.3250, 0.3229



9.1243, 0.5877, 0.3011



0.6053, 0.5408, 0.2753

Previews

White Background



This preview shows how the Yxy color 25.1542, 0.2188, 0.2026 looks on a white background.

Color Contrast Check

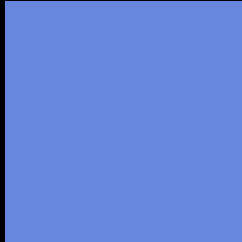
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1542, 0.2188, 0.2026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

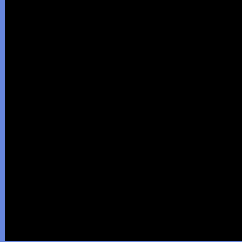
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1542, 0.2188, 0.2026

Background



This preview shows how black text looks on a background with the Yxy color 25.1542, 0.2188, 0.2026.



This preview shows how white text looks on a background with the Yxy color 25.1542, 0.2188, 0.2026.

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

25.1542, 0.2188, 0.2026

Protanopia

25.1542, 0.2188, 0.2026

Deuteranopia

25.1333, 0.2118, 0.2056



Tritanopia

25.1200, 0.2456, 0.3071

Trichromacy



Original Color

25.1542, 0.2188, 0.2026

Protanomaly

25.1542, 0.2188, 0.2026

Deuteranomaly

25.1028, 0.2142, 0.2049

Tritanomaly

24.8472, 0.2342, 0.2617

Monochromacy



Original Color

25.1542, 0.2188, 0.2026

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.2921, 0.2710, 0.2776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1542, 0.2188, 0.2026 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(103, 134, 221)` looks like.

```
.text, #text, p{  
    color:rgb(103, 134, 221)  
}
```

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(103, 134, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 134, 221) }
```

Border

The CSS property to change the border of an element to Yxy 25.1542, 0.2188, 0.2026 is called "border". The border property can be set on classes, ids or directly on the HTML element.

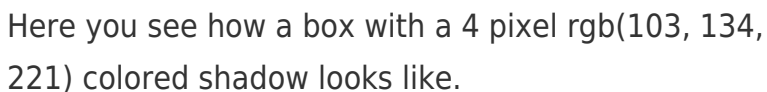
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 134, 221) }
```

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

```
.border{ border-color:rgb(103, 134, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 134, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 134, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 134, 221); box-shadow:4px 4px 4px 4px rgb(103, 134, 221) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1542, 0.2188, 0.2026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 134, 221) }
```

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

```
.background{ background-color: rgb(103,  
134, 221) }
```

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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