

Converting Colors

$Y_{xy}(23.9695, 0.1920, 0.1706)$

Have a look what the booklet for
Yxy(23.9695, 0.1920, 0.1706)
contains.

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Color

Yxy(24.0904, 0.1922, 0.1712)

Conversions

Conversions Part 1

Format	Color
Hex	4583F5
RGB	69, 131, 245
RGB Percent	27%, 51%, 96%
CMY	0.7295, 0.4862, 0.0394
CMYK	0.72, 0.47, 0.00, 0.04
HSL	219°, 90%, 62%
HSV	219°, 72%, 96%
XYZ	27.0454, 24.0904, 89.5791
YIQ	125.4580, -73.5460, 22.3100

Conversions

Conversions Part 2

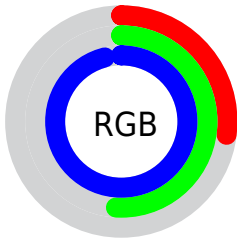
Format	Color
R _{YB}	69, 115, 245
Decimal	4555765
CIE _{Lab}	56.18, 17.76, -62.96
CIE _{LCh}	56, 65.415, 285.749
Y _{xy}	24.0904, 0.1922, 0.1712
Android (android.graphics.Color)	4282745845 (0xFF4583F5)
YUV	125.4580, 58.9342, -49.5137
Hunter-Lab	49.0820, 12.4646, -73.8524

Details

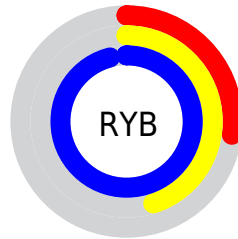
The Yxy color **24.0904, 0.1922, 0.1712** is a light color, and the websafe version is hex **6699FF**. The color can be described as light washed azure. A complement of this color would be **53.6712, 0.4547, 0.4386**, and the grayscale version is **20.4859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4053, 0.2349, 0.2406**, and **9.8174, 0.1719, 0.1386** is the 20% darker color. If you saturate the color by 10%, you get **19.4329, 0.1795, 0.1472**, and if you desaturate by 10%, it is **29.7709, 0.2074, 0.1963**.

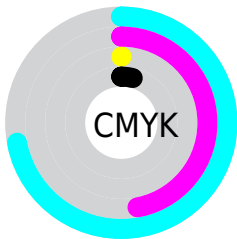
Distribution



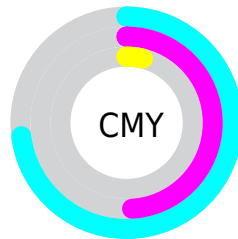
- Red (27%)
- Green (51%)
- Blue (96%)



- Red (27%)
- Yellow (45%)
- Blue (96%)



- Cyan (72%)
- Magenta (47%)
- Yellow (0%)
- Black (4%)





- Cyan (73%)
- Magenta (49%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0904, 0.1922, 0.1712 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 24.0904, 0.1922, 0.1712 by changing the saturation by 10% instead.


 24.0904, 0.1922,
0.1712


 24.0904, 0.1922,
0.1712


273.2772, 0.2545,
0.2483


 15.4007, 0.1771,
0.1537


 50.1777, 0.2147,
0.1981


 9.1011, 0.1583,
0.1326


 68.3440, 0.2233,
0.2086

 4.8072, 0.1347,
0.1072


 90.4381, 0.2305,
0.2176

 2.1346, 0.1053,
0.0772

 116.8442, 0.2367,
0.2254

 0.6840, 0.0697,
0.0430

147.9468, 0.2420,
0.2323

 0.0000, 0.0039,
0.0000

184.1302, 0.2467,

 0.0000, 0.0000,

0.2383

0.0000

225.7789, 0.2508,
0.2436

■ 24.0904, 0.1922,
0.1712

■ 24.0904, 0.1922,
0.1712

■ 19.4329, 0.1795,
0.1472

■ 29.7709, 0.2074,
0.1963

■ 15.7180, 0.1697,
0.1255

■ 36.5406, 0.2242,
0.2215

■ 13.3021, 0.1639,
0.1099

■ 44.4614, 0.2419,
0.2459

■ 53.5896, 0.2598,
0.2688

■ 63.9772, 0.2774,
0.2899

■ 75.6732, 0.2941,
0.3090

■ 88.7234, 0.3099,
0.3261

■ 99.3702, 0.3185,
0.3386

Harmonies

Analogous

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



24.0904, 0.1459, 0.1800



24.0904, 0.1922, 0.1712



24.0904, 0.2769, 0.1913

Triad

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



24.0904, 0.1922, 0.1712



24.0904, 0.5314, 0.3708



24.0904, 0.2182, 0.4549

Complementary

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



24.0904, 0.1922, 0.1712



53.6712, 0.4547, 0.4386

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.



24.0904, 0.3133, 0.5380



24.0904, 0.1922, 0.1712



24.0904, 0.4949, 0.4476

Square

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



24.0904, 0.1922, 0.1712



24.0904, 0.4949, 0.2996



24.0904, 0.4133, 0.5186



24.0904, 0.1552, 0.3219

Rectangle

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



24.0904, 0.1922, 0.1712



24.0904, 0.3523, 0.2190



24.0904, 0.4133, 0.5186



24.0904, 0.2476, 0.4934

Sweetspot

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



24.0911, 0.1922, 0.1712



69.8425, 0.2770, 0.2895



69.8589, 0.2584, 0.4162



14.2590, 0.2723, 0.2840



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.



24.0911, 0.1922, 0.1712



19.4012, 0.1748, 0.1375



13.1420, 0.1862, 0.1061



16.8824, 0.2980, 0.3132



7.4037, 0.1647, 0.1129



0.8366, 0.1716, 0.1377

Inverse Universe

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



25.2982, 0.4706, 0.2714



23.6960, 0.5192, 0.2743



81.1611, 0.3912, 0.4986



16.5790, 0.3238, 0.3207



10.8468, 0.5569, 0.2841



0.9721, 0.5222, 0.2650

Previews

White Background



This preview shows how the Yxy color 24.0904, 0.1922, 0.1712 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 24.0904, 0.1922, 0.1712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

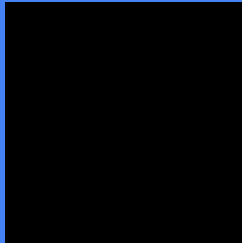
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

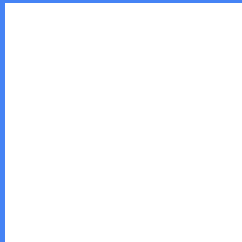
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.0904, 0.1922, 0.1712

Background



This preview shows how black text looks on a background with the Yxy color 24.0904, 0.1922, 0.1712.



This preview shows how white text looks on a background with the Yxy color 24.0904, 0.1922, 0.1712.

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

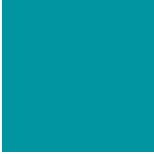
24.0904, 0.1922, 0.1712

Protanopia

24.0747, 0.1952, 0.1717

Deuteranopia

23.9592, 0.1826, 0.1772



Tritanopia

24.0330, 0.2188, 0.3076

Trichromacy



Original Color

24.0904, 0.1922, 0.1712

Protanomaly

23.9528, 0.1940, 0.1713

Deuteranomaly

23.6677, 0.1836, 0.1742

Tritanomaly

23.3143, 0.2038, 0.2440

Monochromacy



Original Color

24.0904, 0.1922, 0.1712

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.0466, 0.2505, 0.2562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0904, 0.1922, 0.1712 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(69, 131, 245)` looks like.

```
.text, #text, p{  
    color:rgb(69, 131, 245)  
}
```

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(69, 131, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 131, 245) }
```

Border

The CSS property to change the border of an element to Yxy 24.0904, 0.1922, 0.1712 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(69, 131, 245) }
```

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

```
.border{ border-color:rgb(69, 131, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 131, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 131, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 131, 245);  
box-shadow:4px 4px 4px 4px rgb(69, 131,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0904, 0.1922, 0.1712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 131, 245) }
```

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

```
.background{ background-color: rgb(69, 131,  
245) }
```

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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