

Converting Colors

XYZ(24.0851, 21.1022, 55.2375)

Have a look what the booklet for
XYZ(24.0851, 21.1022, 55.2375)
contains.

| | |
|--|----|
| XYZ(24.0318, 21.0307, 55.0173) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(24.0318, 21.0307,
55.0173)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 7677C4 |
| RGB | 118, 119, 196 |
| RGB Percent | 46%, 47%, 77% |
| CMY | 0.5372, 0.5333, 0.2314 |
| CMYK | 0.40, 0.39, 0.00, 0.23 |
| HSL | 239°, 40%, 62% |
| HSV | 239°, 40%, 77% |
| XYZ | 24.0318, 21.0307, 55.0173 |
| YIQ | 127.4790, -25.3130, 23.7350 |

Conversions

Conversions Part 2

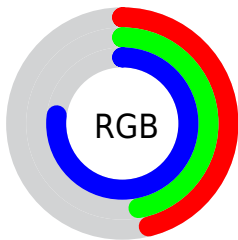
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 118, 119, 196 |
| Decimal | 7763908 |
| CIE _{Lab} | 52.98, 18.83, -40.36 |
| CIE _{LCh} | 53, 44.537, 295.009 |
| Yxy | 21.0307, 0.2401, 0.2101 |
| Android (android.graphics.Color) | 4285953988 (0xFF7677C4) |
| YUV | 127.4790, 33.7809, -8.3131 |
| Hunter-Lab | 45.8592, 13.2864, -39.0287 |

Details

The XYZ color **24.0318, 21.0307, 55.0173** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **45.5508, 52.0749, 24.7912**, and the grayscale version is **20.2317, 21.2853, 23.1797**.

A 20% lighter version of the original color is **49.5261, 45.1019, 99.0237**, and **9.2501, 7.5495, 26.5608** is the 20% darker color. If you saturate the color by 10%, you get **19.5685, 15.6526, 54.2149**, and if you desaturate by 10%, it is **29.5185, 27.6329, 56.0029**.

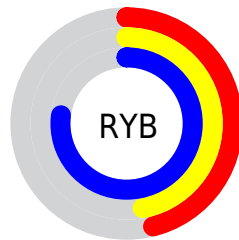
Distribution



Red (46%)

Green (47%)

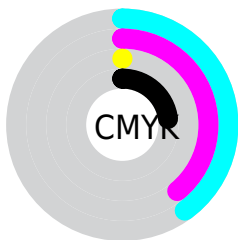
Blue (77%)



Red (46%)

Yellow (47%)

Blue (77%)

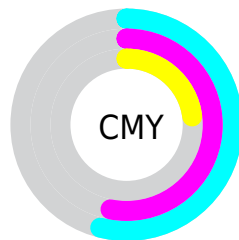


Cyan (40%)

Magenta (39%)

Yellow (0%)

Black (23%)



Cyan (54%)

Magenta (53%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0318, 21.0307, 55.0173 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 XYZ color 24.0318, 21.0307, 55.0173 by changing the saturation by 10% instead.

■ 24.0318, 21.0307,
55.0173

■ 24.0318, 21.0307,
55.0173

265.4187,
257.4416, 423.2613

■ 15.4821, 13.1464,
39.0169

■ 49.5364, 45.1386,
99.0377

■ 9.2469, 7.5295,
26.4649

■ 67.2220, 62.1311,
127.8948

■ 4.9610, 3.7954,
16.9429

■ 88.6835, 82.9284,
161.8745

■ 2.2589, 1.5598,
10.0323

114.2864,
107.9150, 201.3953

■ 0.7735, 0.3302,
5.3145

144.3961,
137.4752, 246.8759

■ 0.0000, 0.0000,
2.3710

179.3777,

■ 0.0000, 0.0000,

171.9934, 298.7347

0.7706

219.5968,
211.8541, 357.3904

■ 0.0000, 0.0000,
0.0000

■ 24.0318, 21.0307,
55.0173

■ 24.0318, 21.0307,
55.0173

■ 19.5685, 15.6526,
54.2149

■ 29.5185, 27.6329,
56.0029

■ 16.0629, 11.4213,
53.5829

■ 36.0840, 35.5257,
57.1803

■ 13.4459, 8.2543,
53.1095

■ 43.7824, 44.7733,
58.5595

■ 11.6377, 6.0569,
52.7807

■ 52.6638, 55.4352,
60.1494

■ 10.5443, 4.7180,
52.5799

■ 62.7750, 67.5673,
61.9582

■ 10.0005, 4.0513,
52.4799

■ 74.1603, 81.2224,
63.9938

■ 9.9911, 4.0401,
52.4782

■ 86.7872, 96.4121,
66.2602

■ 86.9639, 96.7656,
66.3191

Harmonies

Analogous

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



19.2177, 21.0307, 59.2740



24.0318, 21.0307, 55.0173



28.2874, 21.0307, 41.0450

Triad

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



24.0318, 21.0307, 55.0173



25.5950, 21.0307, 7.6285



12.3098, 21.0307, 20.7328

Complementary

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



24.0318, 21.0307, 55.0173



45.5508, 52.0749, 24.7912

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.



13.4966, 21.0307, 11.0882



24.0318, 21.0307, 55.0173



20.7808, 21.0307, 5.6433

Square

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



24.0318, 21.0307, 55.0173



29.2840, 21.0307, 13.6546



16.4272, 21.0307, 6.6027



12.9040, 21.0307, 35.5862

Rectangle

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



24.0318, 21.0307, 55.0173



29.9814, 21.0307, 30.2184



16.4272, 21.0307, 6.6027



12.5074, 21.0307, 16.8684

Sweetspot

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



24.0326, 21.0315, 55.0178



75.7836, 76.8693, 105.4508



37.0282, 47.2586, 58.6228



15.8132, 15.9637, 22.4978



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.0326, 21.0315, 55.0178



36.2081, 29.2707, 98.3492



30.0954, 23.9814, 55.2676



9.5384, 9.7682, 12.6675



6.4245, 2.6055, 33.7209



0.2812, 0.1199, 1.4582

Inverse Universe

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



32.5738, 26.0254, 20.7600



53.8877, 39.6516, 27.4290



37.1703, 48.0880, 24.4633



10.0783, 10.0799, 10.5030



14.6388, 7.5453, 0.7439



0.6343, 0.3267, 0.0418

Previews

White Background



This preview shows how the XYZ color 24.0318, 21.0307, 55.0173 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 XYZ color 24.0318, 21.0307, 55.0173 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](#).

XYZ 24.0318, 21.0307, 55.0173

Background



This preview shows how black text looks on a background with the XYZ color 24.0318, 21.0307, 55.0173.

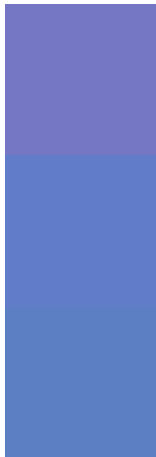


This preview shows how white text looks on a background with the XYZ color 24.0318, 21.0307,

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

24.0318, 21.0307, 55.0173

Protanopia

22.5627, 21.1268, 57.5323

Deuteranopia

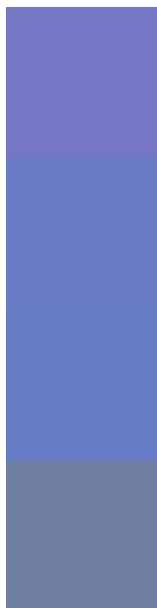
21.6121, 21.0921, 53.9710



Tritanopia

18.7497, 21.1589, 28.2952

Trichromacy



Original Color

24.0318, 21.0307, 55.0173

Protanomaly

23.0940, 21.0458, 56.8779

Deuteranomaly

22.3001, 20.8727, 54.4833

Tritanomaly

20.4528, 21.0669, 36.7066

Monochromacy



Original Color

24.0318, 21.0307, 55.0173

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.1873, 20.9674, 32.6362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0318, 21.0307, 55.0173 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(118, 119, 196)` looks like.

```
.text, #text, p{  
    color:rgb(118, 119, 196)  
}
```

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(118, 119, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 119, 196) }
```

Border

The CSS property to change the border of an element to XYZ 24.0318, 21.0307, 55.0173 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(118, 119, 196) }
```


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

```
.border{ border-color:rgb(118, 119, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 119, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 119, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 119, 196);  
box-shadow:4px 4px 4px 4px rgb(118, 119,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0318, 21.0307, 55.0173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 119, 196) }
```

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

```
.background{ background-color: rgb(118,  
119, 196) }
```

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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