

Converting Colors

XYZ(24.0713, 20.7722, 51.1400)

Have a look what the booklet for
XYZ(24.0713, 20.7722, 51.1400)
contains.

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Color

**XYZ(24.0040, 20.7567,
50.8854)**

Conversions

Conversions Part 1

Format	Color
Hex	7D75BD
RGB	125, 117, 189
RGB Percent	49%, 46%, 74%
CMY	0.5098, 0.5412, 0.2588
CMYK	0.34, 0.38, 0.00, 0.26
HSL	247°, 35%, 60%
HSV	247°, 38%, 74%
XYZ	24.0040, 20.7567, 50.8854
YIQ	127.6000, -18.3440, 24.0880

Conversions

Conversions Part 2

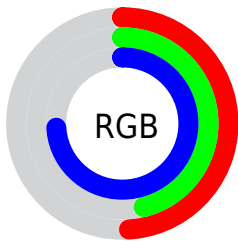
Format	Color
R _{YB}	125, 117, 189
Decimal	8222141
CIE _{Lab}	52.68, 20.00, -36.79
CIE _{LCh}	53, 41.875, 298.535
Y _{xy}	20.7567, 0.2510, 0.2170
Android (android.graphics.Color)	4286412221 (0xFF7D75BD)
YUV	127.6000, 30.2702, -2.2802
Hunter-Lab	45.5595, 14.3173, -34.3293

Details

The XYZ color **24.0040, 20.7567, 50.8854** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **40.4650, 47.5038, 23.8668**, and the grayscale version is **20.2834, 21.3397, 23.2389**.

A 20% lighter version of the original color is **49.6449, 44.7331, 93.2066**, and **9.2489, 7.4220, 23.8668** is the 20% darker color. If you saturate the color by 10%, you get **19.7716, 15.6296, 50.1192**, and if you desaturate by 10%, it is **29.0973, 26.9884, 51.8202**.

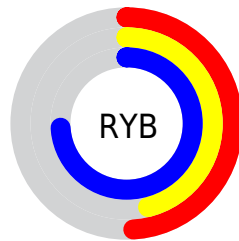
Distribution



Red (49%)

Green (46%)

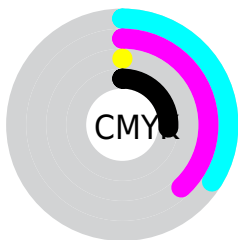
Blue (74%)



Red (49%)

Yellow (46%)

Blue (74%)

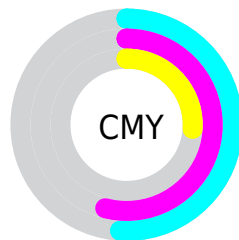


Cyan (34%)

Magenta (38%)

Yellow (0%)

Black (26%)



Cyan (51%)

Magenta (54%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0040, 20.7567, 50.8854 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 24.0040, 20.7567, 50.8854 by changing the saturation by 10% instead.

■ 24.0040, 20.7567,
50.8854

■ 24.0040, 20.7567,
50.8854

265.2808,
255.9827, 406.9522

■ 15.4613, 12.9463,
35.7413

■ 49.4914, 44.6823,
92.8951

■ 9.2322, 7.3916,
23.9464

■ 67.1668, 61.5662,
120.5978

■ 4.9513, 3.7082,
15.0820

■ 88.6171, 82.2434,
153.3238

■ 2.2532, 1.5117,
8.7297

114.2078,
107.0983, 191.4917

■ 0.7705, 0.2969,
4.4709

144.3042,
136.5153, 235.5199

■ 0.0000, 0.0000,
1.8871

179.2715,

■ 0.0000, 0.0000,

170.8787, 285.8270

0.4845

219.4753,
210.5731, 342.8316

■ 0.0000, 0.0000,
0.0000

■ 24.0040, 20.7567,
50.8854

■ 24.0040, 20.7567,
50.8854

■ 19.7716, 15.6296,
50.1192

■ 29.0973, 26.9884,
51.8202

■ 16.3501, 11.5400,
49.5102

■ 35.0933, 34.3816,
52.9312

■ 13.6877, 8.4175,
49.0478

■ 42.0338, 42.9921,
54.2274

■ 11.7257, 6.1816,
48.7196

■ 49.9572, 52.8717,
55.7167

■ 10.3965, 4.7388,
48.5112

■ 58.9000, 64.0687,
57.4066

■ 9.6060, 3.9490,
48.4004

■ 68.8967, 76.6292,
59.3042

■ 9.4946, 3.8336,
48.3840

■ 79.9800, 90.5971,
61.4161

■ 86.1854, 96.4542,
62.2195

Harmonies

Analogous

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



19.5153, 20.7567, 56.0398



24.0040, 20.7567, 50.8854



27.7655, 20.7567, 37.5677

Triad

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



24.0040, 20.7567, 50.8854



24.4291, 20.7567, 7.6982



12.4873, 20.7567, 21.9929

Complementary

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



24.0040, 20.7567, 50.8854



40.4650, 47.5038, 23.8668

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.



13.4148, 20.7567, 12.2534



24.0040, 20.7567, 50.8854



19.9435, 20.7567, 6.1068

Square

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



24.0040, 20.7567, 50.8854



28.0352, 20.7567, 12.9732



15.9937, 20.7567, 7.4030



13.2499, 20.7567, 36.0972

Rectangle

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



24.0040, 20.7567, 50.8854



29.1232, 20.7567, 27.7092



15.9937, 20.7567, 7.4030



12.6088, 20.7567, 18.1618

Sweetspot

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



24.0048, 20.7575, 50.8859



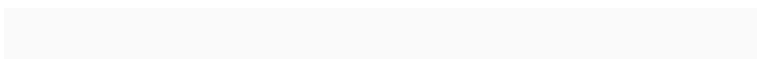
71.2665, 72.0076, 96.3689



33.2090, 40.8306, 54.2753



14.9577, 15.0282, 20.6550



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.0048, 20.7575, 50.8859



36.3532, 29.1279, 89.9324



30.0845, 23.8917, 51.1704



9.1123, 9.2748, 11.9821



6.4216, 2.5965, 32.5556



0.2846, 0.1188, 1.2768

Inverse Universe

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



35.6886, 26.8783, 47.0236



60.4702, 41.7738, 81.4346



33.2276, 43.7727, 23.5281



9.8831, 9.6775, 11.7732



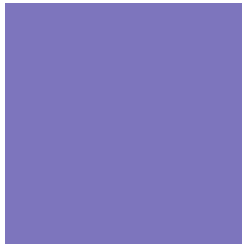
18.8933, 9.1885, 25.7954



0.7533, 0.3652, 1.0799

Previews

White Background



This preview shows how the XYZ color 24.0040, 20.7567, 50.8854 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 24.0040, 20.7567, 50.8854 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 24.0040, 20.7567, 50.8854

Background



This preview shows how black text looks on a background with the XYZ color 24.0040, 20.7567, 50.8854.

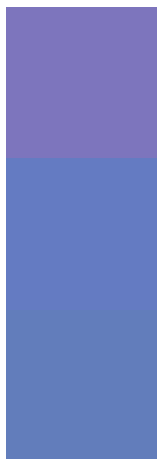


This preview shows how white text looks on a background with the XYZ color 24.0040, 20.7567,

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

24.0040, 20.7567, 50.8854

Protanopia

22.0761, 20.7703, 53.8845

Deuteranopia

21.3403, 20.8518, 49.9137



Tritanopia

19.2460, 20.8507, 27.0550

Trichromacy



Original Color

24.0040, 20.7567, 50.8854

Protanomaly

22.6585, 20.7317, 52.6766

Deuteranomaly

22.2210, 20.7381, 50.4086

Tritanomaly

20.7647, 20.7012, 34.7996

Monochromacy



Original Color

24.0040, 20.7567, 50.8854

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.4651, 21.1293, 31.8012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0040, 20.7567, 50.8854 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(125, 117, 189)` looks like.

```
.text, #text, p{  
    color:rgb(125, 117, 189)  
}
```

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(125, 117, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 117, 189) }
```

Border

The CSS property to change the border of an element to XYZ 24.0040, 20.7567, 50.8854 is called "border". The border property can be set on classes, ids or directly on the HTML element.

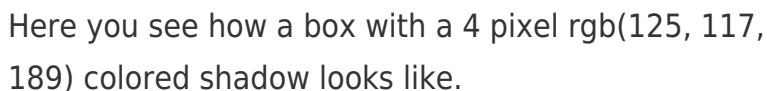
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(125, 117, 189) }
```


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

```
.border{ border-color:rgb(125, 117, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(125, 117, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 117, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 117, 189);  
box-shadow:4px 4px 4px 4px rgb(125, 117,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0040, 20.7567, 50.8854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 117, 189) }
```

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

```
.background{ background-color: rgb(125,  
117, 189) }
```

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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