

Converting Colors

XYZ(23.0857, 20.4034, 50.4991)

Have a look what the booklet for
XYZ(23.0857, 20.4034, 50.4991)
contains.

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Color

**XYZ(23.0267, 20.4393,
50.3085)**

Conversions

Conversions Part 1

Format	Color
Hex	7676BC
RGB	118, 118, 188
RGB Percent	46%, 46%, 74%
CMY	0.5372, 0.5372, 0.2627
CMYK	0.37, 0.37, 0.00, 0.26
HSL	240°, 34%, 60%
HSV	240°, 37%, 74%
XYZ	23.0267, 20.4393, 50.3085
YIQ	125.9800, -22.4700, 21.7700

Conversions

Conversions Part 2

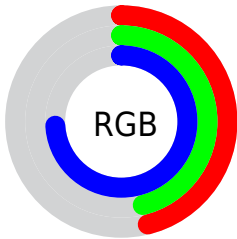
Format	Color
R_{YB}	118, 118, 188
Decimal	7763644
CIE _{Lab}	52.33, 17.17, -36.81
CIE _{LCh}	52, 40.614, 295.010
Yxy	20.4393, 0.2456, 0.2180
Android (android.graphics.Color)	4285953724 (0xFF7676BC)
YUV	125.9800, 30.5759, -6.9985
Hunter-Lab	45.2098, 11.7981, -34.3297

Details

The XYZ color **23.0267, 20.4393, 50.3085** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **41.9927, 47.9662, 24.1854**, and the grayscale version is **19.7299, 20.7574, 22.6048**.

A 20% lighter version of the original color is **47.8694, 44.1127, 92.3778**, and **8.7400, 7.2598, 23.4949** is the 20% darker color. If you saturate the color by 10%, you get **18.7260, 15.2570, 49.5353**, and if you desaturate by 10%, it is **28.2790, 26.7678, 51.2536**.

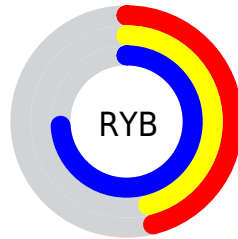
Distribution



Red (46%)

Green (46%)

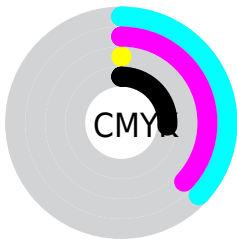
Blue (74%)



Red (46%)

Yellow (46%)

Blue (74%)

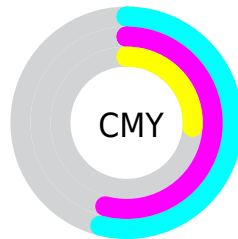


Cyan (37%)

Magenta (37%)

Yellow (0%)

Black (26%)



Cyan (54%)

Magenta (54%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0267, 20.4393, 50.3085 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 23.0267, 20.4393, 50.3085 by changing the saturation by 10% instead.

■ 23.0267, 20.4393,
50.3085

■ 23.0267, 20.4393,
50.3085

260.3949,
254.2835, 404.6407

■ 14.7340, 12.7148,
35.2857

■ 47.9035, 44.1525,
92.0328

■ 8.7180, 7.2324,
23.5977

■ 65.2183, 60.9099,
119.5714

■ 4.6134, 3.6079,
14.8260

■ 86.2713, 81.4471,
152.1189

■ 2.0546, 1.4567,
8.5521

111.4277,
106.1485, 190.0941

■ 0.6644, 0.2580,
4.3574

141.0529,
135.3984, 233.9153

■ 0.0000, 0.0000,
1.8234

175.5122,

■ 0.0000, 0.0000,

169.5813, 284.0011

0.4433

215.1711,
209.0815, 340.7700

■ 0.0000, 0.0000,
0.0000

■ 23.0267, 20.4393,
50.3085

■ 23.0267, 20.4393,
50.3085

■ 18.7260, 15.2570,
49.5353

■ 28.2790, 26.7678,
51.2536

■ 15.3177, 11.1504,
48.9222

■ 34.5326, 34.3030,
52.3784

■ 12.7400, 8.0444,
48.4586

■ 41.8365, 43.1038,
53.6922

■ 10.9219, 5.8536,
48.1316

■ 50.2360, 53.2246,
55.2030

■ 9.7806, 4.4785,
47.9263

■ 59.7735, 64.7166,
56.9185

■ 9.1988, 3.7774,
47.8216

■ 70.4893, 77.6284,
58.8459

■ 9.0772, 3.6309,
47.7997

■ 82.4216, 92.0061,
60.9922

■ 86.0772, 96.4109,
61.6497

Harmonies

Analogous

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



18.7363, 20.4393, 53.9607



23.0267, 20.4393, 50.3085



26.7830, 20.4393, 38.2344

Triad

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



23.0267, 20.4393, 50.3085



24.4095, 20.4393, 8.2227



12.4701, 20.4393, 20.3125

Complementary

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



23.0267, 20.4393, 50.3085



41.9927, 47.9662, 24.1854

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.



13.5586, 20.4393, 11.4937



23.0267, 20.4393, 50.3085



20.1343, 20.4393, 6.2988

Square

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



23.0267, 20.4393, 50.3085



27.6582, 20.4393, 13.8733



16.2234, 20.4393, 7.2344



13.0160, 20.4393, 33.4732

Rectangle

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



23.0267, 20.4393, 50.3085



28.2703, 20.4393, 28.7546



16.2234, 20.4393, 7.2344



12.6518, 20.4393, 16.8169

Sweetspot

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



23.0274, 20.4401, 50.3090



70.3643, 71.5425, 96.3267



34.4068, 43.3992, 53.4841



14.7442, 14.9182, 20.6450



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.



23.0274, 20.4401, 50.3090



34.9986, 28.9292, 89.9655



28.4739, 23.2478, 50.5639



9.0165, 9.2254, 11.9777



6.1802, 2.4721, 32.5443



0.2421, 0.0968, 1.2748

Inverse Universe

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



30.4881, 24.9570, 20.3506



50.5482, 38.3433, 27.5259



34.6120, 44.1613, 23.8400



9.5302, 9.5364, 9.9150



14.1202, 7.2792, 0.6608



0.5531, 0.2851, 0.0259

Previews

White Background



This preview shows how the XYZ color 23.0267, 20.4393, 50.3085 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 23.0267, 20.4393, 50.3085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

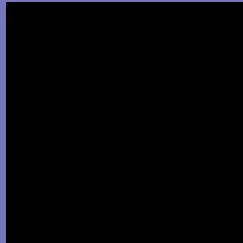
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.0267, 20.4393, 50.3085

Background



This preview shows how black text looks on a background with the XYZ color 23.0267, 20.4393, 50.3085.

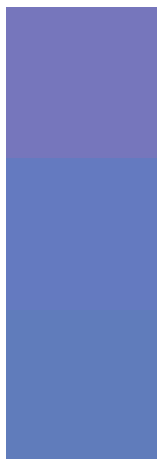


This preview shows how white text looks on a background with the XYZ color 23.0267, 20.4393,

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

23.0267, 20.4393, 50.3085

Protanopia

21.7295, 20.4342, 52.6681

Deuteranopia

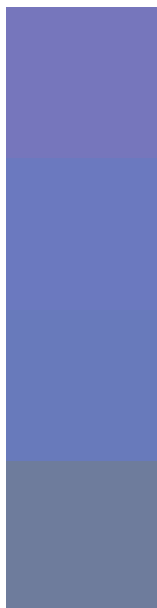
21.0012, 20.4900, 49.8618



Tritanopia

18.2505, 20.3375, 27.0084

Trichromacy



Original Color

23.0267, 20.4393, 50.3085

Protanomaly

22.3047, 20.5621, 52.0835

Deuteranomaly

21.6381, 20.4500, 49.8205

Tritanomaly

19.6388, 20.1306, 34.3030

Monochromacy



Original Color

23.0267, 20.4393, 50.3085

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.6762, 20.5468, 31.3099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0267, 20.4393, 50.3085 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, 118, 188)` looks like.

```
.text, #text, p{  
    color:rgb(118, 118, 188)  
}
```

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, 118, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 118, 188) }
```

Border

The CSS property to change the border of an element to XYZ 23.0267, 20.4393, 50.3085 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, 118, 188) }
```


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

```
.border{ border-color:rgb(118, 118, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 118, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 118, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 118, 188);  
box-shadow:4px 4px 4px 4px rgb(118, 118,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0267, 20.4393, 50.3085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 118, 188) }
```

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

```
.background{ background-color: rgb(118,  
118, 188) }
```

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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