

Converting Colors

XYZ(23.8300, 20.5833, 54.7690)

Have a look what the booklet for
XYZ(23.8300, 20.5833, 54.7690)
contains.

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Color

**XYZ(23.7963, 20.5597,
54.9388)**

Conversions

Conversions Part 1

Format	Color
Hex	7675C4
RGB	118, 117, 196
RGB Percent	46%, 46%, 77%
CMY	0.5372, 0.5412, 0.2314
CMYK	0.40, 0.40, 0.00, 0.23
HSL	241°, 40%, 61%
HSV	241°, 40%, 77%
XYZ	23.7963, 20.5597, 54.9388
YIQ	126.3050, -24.7630, 24.7810

Conversions

Conversions Part 2

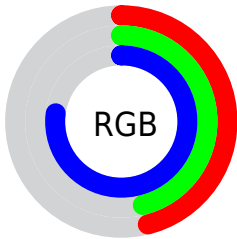
Format	Color
R_{YB}	118, 117, 196
Decimal	7763396
CIE _{Lab}	52.46, 20.03, -41.18
CIE _{LCh}	52, 45.793, 295.937
Yxy	20.5597, 0.2397, 0.2071
Android (android.graphics.Color)	4285953476 (0xFF7675C4)
YUV	126.3050, 34.3596, -7.2835
Hunter-Lab	45.3428, 14.3284, -40.0977

Details

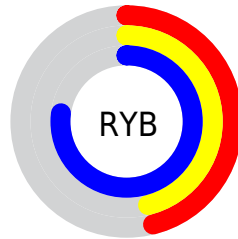
The XYZ color **23.7963, 20.5597, 54.9388** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **45.4568, 52.3667, 24.5423**, and the grayscale version is **19.8283, 20.8610, 22.7176**.

A 20% lighter version of the original color is **49.1512, 44.3520, 98.8988**, and **9.1250, 7.2992, 26.5191** is the 20% darker color. If you saturate the color by 10%, you get **19.3834, 15.2425, 54.1455**, and if you desaturate by 10%, it is **29.2279, 27.1125, 55.9177**.

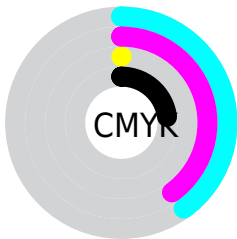
Distribution



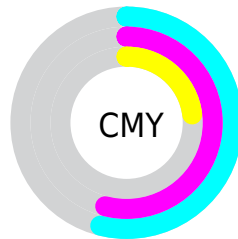
- Red (46%)
- Green (46%)
- Blue (77%)



- Red (46%)
- Yellow (46%)
- Blue (77%)



- Cyan (40%)
- Magenta (40%)
- Yellow (0%)
- Black (23%)



- Cyan (54%)
- Magenta (54%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7963, 20.5597, 54.9388 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 23.7963, 20.5597, 54.9388 by changing the saturation by 10% instead.

■ 23.7963, 20.5597,
54.9388

■ 23.7963, 20.5597,
54.9388

264.2486,
254.9292, 422.9553

■ 15.3065, 12.8025,
38.9545

■ 49.1547, 44.3536,
98.9215

■ 9.1225, 7.2927,
26.4167

■ 66.7540, 61.1591,
127.7570

■ 4.8789, 3.6458,
16.9071

■ 88.1205, 81.7495,
161.7133

■ 2.2104, 1.4775,
10.0070

113.6196,
106.5093, 201.2089

■ 0.7482, 0.2728,
5.2980

143.6166,
135.8227, 246.6623

■ 0.0000, 0.0000,
2.3613

178.4768,

■ 0.0000, 0.0000,

170.0743, 298.4922

0.7653

218.5657,
209.6483, 357.1170

■ 0.0000, 0.0000,
0.0000

■ 23.7963, 20.5597,
54.9388

■ 23.7963, 20.5597,
54.9388

■ 19.3834, 15.2425,
54.1455

■ 29.2279, 27.1125,
55.9177

■ 15.9237, 11.0814,
53.5246

■ 35.7338, 34.9691,
57.0913

■ 13.3475, 7.9911,
53.0639

■ 43.3682, 44.1958,
58.4699

■ 11.5748, 5.8737,
52.7487

■ 52.1812, 54.8533,
60.0625

■ 10.5113, 4.6135,
52.5615

■ 62.2195, 66.9989,
61.8777

■ 9.9950, 4.0016,
52.4706

■ 73.5277, 80.6867,
63.9237

■ 86.1478, 95.9681,
66.2082

■ 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.



18.9038, 20.5597, 59.7267



23.7963, 20.5597, 54.9388



28.0877, 20.5597, 40.3790

Triad

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



23.7963, 20.5597, 54.9388



25.0924, 20.5597, 6.9964



11.7994, 20.5597, 20.5902

Complementary

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



23.7963, 20.5597, 54.9388



45.4568, 52.3667, 24.5423

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.



12.9326, 20.5597, 10.7346



23.7963, 20.5597, 54.9388



20.1931, 20.5597, 5.1576

Square

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



23.7963, 20.5597, 54.9388



28.9167, 20.5597, 12.8152



15.8265, 20.5597, 6.1801



12.4492, 20.5597, 35.8237

Rectangle

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



23.7963, 20.5597, 54.9388



29.7606, 20.5597, 29.3323



15.8265, 20.5597, 6.1801



11.9787, 20.5597, 16.6333

Sweetspot

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



23.7971, 20.5605, 54.9393



75.7985, 76.7200, 105.4212



37.0404, 47.2478, 59.3925



15.8167, 15.9289, 22.4909



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.



23.7971, 20.5605, 54.9393



36.2384, 28.9664, 98.2889



30.1330, 23.8267, 55.2358



9.5399, 9.7539, 12.6647



6.4277, 2.5740, 33.7147



0.2819, 0.1134, 1.4569

Inverse Universe

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



38.9770, 28.3991, 55.0570



67.3742, 45.0463, 98.4482



36.7587, 47.8826, 24.1352



10.4916, 10.2453, 12.6794



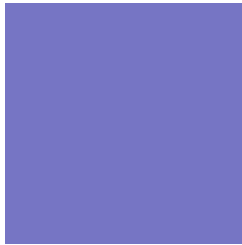
20.8521, 10.0306, 33.4631



0.9028, 0.4341, 1.4553

Previews

White Background



This preview shows how the XYZ color 23.7963, 20.5597, 54.9388 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 23.7963, 20.5597, 54.9388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

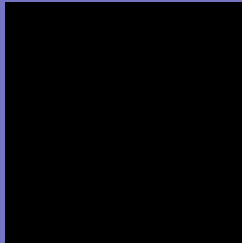
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7963, 20.5597, 54.9388

Background



This preview shows how black text looks on a background with the XYZ color 23.7963, 20.5597, 54.9388.

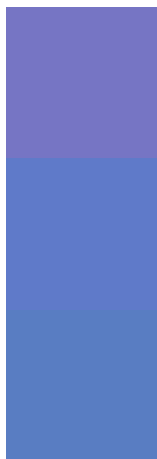


This preview shows how white text looks on a background with the XYZ color 23.7963, 20.5597,

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

23.7963, 20.5597, 54.9388

Protanopia

22.2215, 20.5690, 58.0574

Deuteranopia

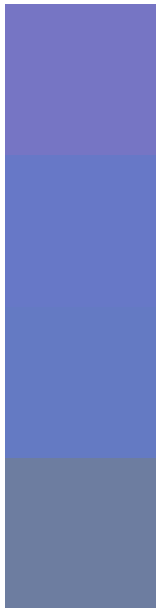
21.1910, 20.6861, 53.9149



Tritanopia

18.2194, 20.5077, 27.4242

Trichromacy



Original Color

23.7963, 20.5597, 54.9388

Protanomaly

22.6188, 20.4400, 56.7860

Deuteranomaly

22.0654, 20.5685, 54.4369

Tritanomaly

19.9855, 20.4565, 36.1529

Monochromacy



Original Color

23.7963, 20.5597, 54.9388

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.8373, 20.6112, 32.1583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7963, 20.5597, 54.9388 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, 117, 196)` looks like.

```
.text, #text, p{  
    color:rgb(118, 117, 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, 117, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 117, 196) }
```

Border

The CSS property to change the border of an element to XYZ 23.7963, 20.5597, 54.9388 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, 117, 196) }
```


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

```
.border{ border-color:rgb(118, 117, 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, 117, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 117, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 117, 196);  
box-shadow:4px 4px 4px 4px rgb(118, 117,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7963, 20.5597, 54.9388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 117, 196) }
```

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

```
.background{ background-color: rgb(118,  
117, 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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