

Converting Colors

XYZ(23.8202, 23.9427, 51.5100)

Have a look what the booklet for
XYZ(23.8202, 23.9427, 51.5100)
contains.

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Color

**XYZ(23.7738, 23.8501,
51.4946)**

Conversions

Conversions Part 1

Format	Color
Hex	6B86BD
RGB	107, 134, 189
RGB Percent	42%, 53%, 74%
CMY	0.5804, 0.4745, 0.2588
CMYK	0.43, 0.29, 0.00, 0.26
HSL	220°, 38%, 58%
HSV	220°, 43%, 74%
XYZ	23.7738, 23.8501, 51.4946
YIQ	132.1970, -33.7470, 11.3810

Conversions

Conversions Part 2

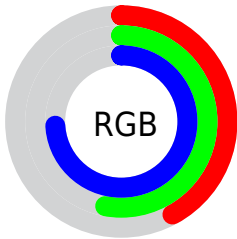
Format	Color
R _Y B	107, 127, 189
Decimal	7046845
CIE Lab	55.94, 4.96, -31.79
CIE LCh	56, 32.177, 278.865
Yxy	23.8501, 0.2399, 0.2406
Android (android.graphics.Color)	4285236925 (0xFF6B86BD)
YUV	132.1970, 28.0039, -22.0978
Hunter-Lab	48.8366, 1.4304, -28.3314

Details

The XYZ color **23.7738, 23.8501, 51.4946** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **36.5612, 37.7220, 19.2650**, and the grayscale version is **21.9147, 23.0560, 25.1080**.

A 20% lighter version of the original color is **48.9497, 49.7103, 93.4013**, and **9.0899, 9.0032, 24.1804** is the 20% darker color. If you saturate the color by 10%, you get **20.0967, 19.5078, 50.8507**, and if you desaturate by 10%, it is **28.1593, 28.8703, 52.2329**.

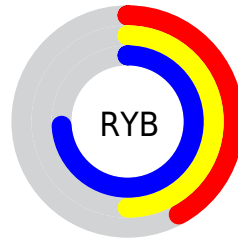
Distribution



Red (42%)

Green (53%)

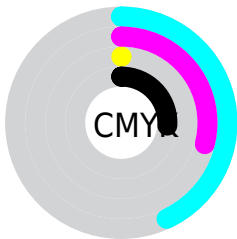
Blue (74%)



Red (42%)

Yellow (50%)

Blue (74%)

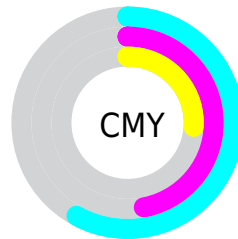


Cyan (43%)

Magenta (29%)

Yellow (0%)

Black (26%)



Cyan (58%)

Magenta (47%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7738, 23.8501, 51.4946 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 23.7738, 23.8501, 51.4946 by changing the saturation by 10% instead.

■ 23.7738, 23.8501,
51.4946

■ 23.7738, 23.8501,
51.4946

264.1366,
272.0618, 409.3837

■ 15.2897, 15.2225,
36.2229

■ 49.1182, 49.7855,
93.8044

■ 9.1106, 8.9757,
24.3154

■ 66.7092, 67.8620,
121.6797

■ 4.8711, 4.7253,
15.3534

■ 88.0666, 89.8569,
154.5932

■ 2.2058, 2.0870,
8.9184

■ 113.5558,
116.1547, 192.9635

■ 0.7458, 0.6573,
4.5919

143.5420,
147.1397, 237.2092

■ 0.0000, 0.0000,
1.9554

178.3906,

■ 0.0000, 0.0000,

183.1962, 287.7487

0.5276

218.4671,
224.7088, 345.0007

■ 0.0000, 0.0000,
0.0000

■ 23.7738, 23.8501,
51.4946

■ 23.7738, 23.8501,
51.4946

■ 20.0967, 19.5078,
50.8507

■ 28.1593, 28.8703,
52.2329

■ 17.0853, 15.8092,
50.2955

■ 33.2874, 34.5950,
53.0676

■ 14.6960, 12.7205,
49.8253

■ 39.1930, 41.0529,
54.0028

■ 12.8785, 10.2034,
49.4352

■ 45.9081, 48.2697,
55.0419

■ 11.5731, 8.2139,
49.1200

■ 53.4628, 56.2702,
56.1880

■ 10.9206, 7.1446,
48.9480

■ 61.8855, 65.0778,
57.4441

■ 71.2033, 74.7150,
58.8131

■ 80.2536, 84.5905,
60.2423

■ 84.0220, 92.1275,
61.4985

Harmonies

Analogous

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



20.2182, 23.8501, 49.7498



23.7738, 23.8501, 51.4946



27.3916, 23.8501, 45.0986

Triad

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



23.7738, 23.8501, 51.4946



28.6196, 23.8501, 15.2390



16.7030, 23.8501, 19.3416

Complementary

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



23.7738, 23.8501, 51.4946



36.5612, 37.7220, 19.2650

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.



18.5227, 23.8501, 13.1965



23.7738, 23.8501, 51.4946



25.3098, 23.8501, 11.3109

Square

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



23.7738, 23.8501, 51.4946



30.3810, 23.8501, 22.9770



21.5986, 23.8501, 10.6805



16.3865, 23.8501, 29.2094

Rectangle

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



23.7738, 23.8501, 51.4946



29.2618, 23.8501, 37.8836



21.5986, 23.8501, 10.6805



17.1489, 23.8501, 16.8575

Sweetspot

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



23.7746, 23.8510, 51.4952



70.3938, 73.7414, 96.7496



30.7537, 42.1184, 40.5368



14.6070, 15.2815, 20.7223



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.



23.7746, 23.8510, 51.4952



36.3250, 35.3375, 91.1325



22.2824, 18.2314, 50.4891



9.2662, 9.7248, 12.0609



7.4107, 4.9331, 32.9545



0.3514, 0.3156, 1.3112

Inverse Universe

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



30.5478, 23.0564, 25.3953



50.3010, 34.7346, 37.0446



38.6062, 46.6098, 20.8728



9.6562, 9.5868, 10.5787



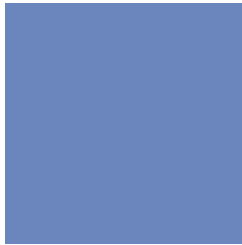
14.7413, 7.5277, 3.9315



0.6083, 0.3072, 0.3166

Previews

White Background



This preview shows how the XYZ color 23.7738, 23.8501, 51.4946 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 23.7738, 23.8501, 51.4946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

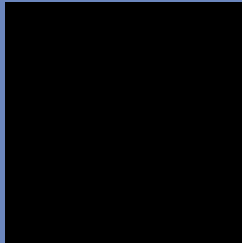
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

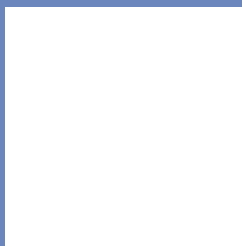
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7738, 23.8501, 51.4946

Background



This preview shows how black text looks on a background with the XYZ color 23.7738, 23.8501, 51.4946.



This preview shows how white text looks on a background with the XYZ color 23.7738, 23.8501,

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

23.7738, 23.8501, 51.4946

Protanopia

24.5570, 23.8723, 50.3272

Deuteranopia

24.2466, 23.6874, 51.4383



Tritanopia

20.1221, 23.8581, 33.2503

Trichromacy



Original Color

23.7738, 23.8501, 51.4946

Protanomaly

24.2747, 23.9166, 50.9139

Deuteranomaly

24.1284, 23.8287, 51.4718

Tritanomaly

21.2468, 23.6603, 39.0444

Monochromacy



Original Color

23.7738, 23.8501, 51.4946

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.3057, 23.2859, 33.4560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7738, 23.8501, 51.4946 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(107, 134, 189)` looks like.

```
.text, #text, p{  
    color:rgb(107, 134, 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(107, 134, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 134, 189) }
```

Border

The CSS property to change the border of an element to XYZ 23.7738, 23.8501, 51.4946 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(107, 134, 189) }
```


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

```
.border{ border-color:rgb(107, 134, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 134, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 134, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 134, 189);  
box-shadow:4px 4px 4px 4px rgb(107, 134,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7738, 23.8501, 51.4946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 134, 189) }
```

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

```
.background{ background-color: rgb(107,  
134, 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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