

Converting Colors

XYZ(23.6932, 23.4435, 50.6124)

Have a look what the booklet for
XYZ(23.6932, 23.4435, 50.6124)
contains.

XYZ(23.7588, 23.4484, 50.8507)	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(23.7588, 23.4484,
50.8507)**

Conversions

Conversions Part 1

Format	Color
Hex	6E84BC
RGB	110, 132, 188
RGB Percent	43%, 52%, 74%
CMY	0.5686, 0.4823, 0.2627
CMYK	0.41, 0.30, 0.00, 0.26
HSL	223°, 37%, 58%
HSV	223°, 41%, 74%
XYZ	23.7588, 23.4484, 50.8507
YIQ	131.8060, -31.0880, 12.7520

Conversions

Conversions Part 2

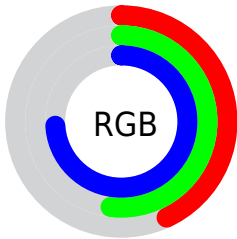
Format	Color
R_{YB}	110, 127, 188
Decimal	7242940
CIE _{Lab}	55.53, 6.64, -31.84
CIE _{LCh}	56, 32.526, 281.785
Y _{xy}	23.4484, 0.2423, 0.2391
Android (android.graphics.Color)	4285433020 (0xFF6E84BC)
YUV	131.8060, 27.7036, -19.1239
Hunter-Lab	48.4235, 2.8390, -28.3653

Details

The XYZ color **23.7588, 23.4484, 50.8507** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **37.1905, 39.0905, 20.3379**, and the grayscale version is **21.7745, 22.9085, 24.9473**.

A 20% lighter version of the original color is **48.9879, 49.1221, 92.4875**, and **9.0837, 8.7776, 23.7697** is the 20% darker color. If you saturate the color by 10%, you get **19.9497, 18.9415, 50.1820**, and if you desaturate by 10%, it is **28.3026, 28.6866, 51.6227**.

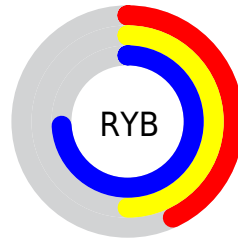
Distribution



Red (43%)

Green (52%)

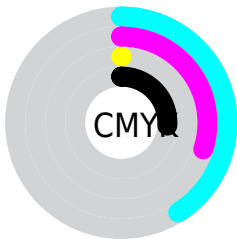
Blue (74%)



Red (43%)

Yellow (50%)

Blue (74%)

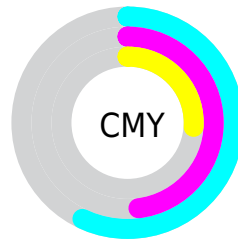


Cyan (41%)

Magenta (30%)

Yellow (0%)

Black (26%)



Cyan (57%)

Magenta (48%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7588, 23.4484, 50.8507 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 23.7588, 23.4484, 50.8507 by changing the saturation by 10% instead.

■ 23.7588, 23.4484,
50.8507

■ 23.7588, 23.4484,
50.8507

264.0619,
270.0198, 406.8134

■ 15.2786, 14.9250,
35.7139

■ 49.0939, 49.1286,
92.8433

■ 9.1027, 8.7667,
23.9254

■ 66.6794, 67.0541,
120.5362

■ 4.8659, 4.5893,
15.0666

■ 88.0307, 88.8824,
153.2515

■ 2.2027, 2.0084,
8.7190

■ 113.5132,
114.9979, 191.4077

■ 0.7442, 0.6123,
4.4640

143.4922,
145.7850, 235.4235

■ 0.0000, 0.0000,
1.8832

178.3331,

■ 0.0000, 0.0000,

181.6281, 285.7174

0.4820

218.4012,
222.9115, 342.7078

■ 0.0000, 0.0000,
0.0000

■ 23.7588, 23.4484,
50.8507

■ 23.7588, 23.4484,
50.8507

■ 19.9497, 18.9415,
50.1820

■ 28.3026, 28.6866,
51.6227

■ 16.8322, 15.1288,
49.6104

■ 33.6161, 34.6853,
52.5005

■ 14.3621, 11.9738,
49.1316

■ 39.7348, 41.4755,
53.4887

■ 12.4889, 9.4353,
48.7403

■ 46.6914, 49.0853,
54.5909

■ 11.1535, 7.4661,
48.4306

■ 54.5165, 57.5416,
55.8107

■ 10.3514, 6.1793,
48.2245

■ 63.2395, 66.8701,
57.1515

■ 72.8879, 77.0953,
58.6166

■ 81.4723, 87.2011,
60.1148

■ 85.5944, 95.4453,
61.4888

Harmonies

Analogous

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



20.1541, 23.4484, 49.9279



23.7588, 23.4484, 50.8507



27.3250, 23.4484, 43.7502

Triad

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



23.7588, 23.4484, 50.8507



27.9710, 23.4484, 14.2980



16.2360, 23.4484, 19.7231

Complementary

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



23.7588, 23.4484, 50.8507



37.1905, 39.0905, 20.3379

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.



17.9097, 23.4484, 13.2367



23.7588, 23.4484, 50.8507



24.5653, 23.4484, 10.7487

Square

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



23.7588, 23.4484, 50.8507



29.9293, 23.4484, 21.6240



20.8773, 23.4484, 10.4226



16.0708, 23.4484, 29.8831

Rectangle

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



23.7588, 23.4484, 50.8507



29.0980, 23.4484, 36.3222



20.8773, 23.4484, 10.4226



16.6316, 23.4484, 17.1222

Sweetspot

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



23.7596, 23.4493, 50.8513



71.1775, 74.2469, 96.8058



31.2881, 42.0315, 42.4929



14.9809, 15.6072, 20.7655



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.



23.7596, 23.4493, 50.8513



36.5776, 34.8349, 91.0222



23.3914, 19.2881, 50.0675



9.2298, 9.6518, 12.0487



7.1030, 4.3178, 32.8520



0.3358, 0.2842, 1.3060

Inverse Universe

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



30.4806, 23.5101, 24.7621



50.6744, 35.8257, 36.1078



37.6147, 45.7619, 21.6033



9.6378, 9.5794, 10.4818



14.5861, 7.4656, 3.1138



0.6004, 0.3040, 0.2749

Previews

White Background



This preview shows how the XYZ color 23.7588, 23.4484, 50.8507 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 23.7588, 23.4484, 50.8507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

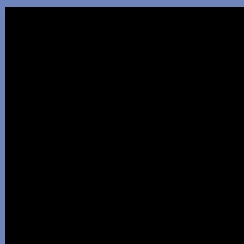
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

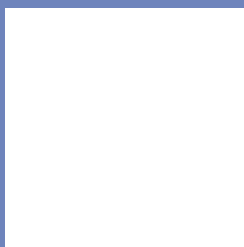
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7588, 23.4484, 50.8507

Background



This preview shows how black text looks on a background with the XYZ color 23.7588, 23.4484, 50.8507.

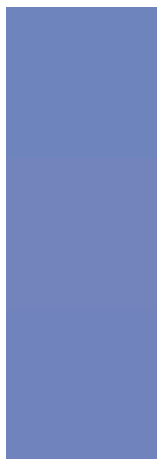


This preview shows how white text looks on a background with the XYZ color 23.7588, 23.4484,

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

23.7588, 23.4484, 50.8507

Protanopia

24.1562, 23.4653, 50.2698

Deuteranopia

23.8755, 23.3082, 50.8175



Tritanopia

19.9932, 23.3766, 32.3125

Trichromacy



Original Color

23.7588, 23.4484, 50.8507

Protanomaly

23.8960, 23.3312, 50.2576

Deuteranomaly

23.7489, 23.2429, 50.8116

Tritanomaly

21.2139, 23.2317, 38.4880

Monochromacy



Original Color

23.7588, 23.4484, 50.8507

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.2309, 23.0546, 32.9841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7588, 23.4484, 50.8507 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(110, 132, 188)` looks like.

```
.text, #text, p{  
    color:rgb(110, 132, 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(110, 132, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 132, 188) }
```

Border

The CSS property to change the border of an element to XYZ 23.7588, 23.4484, 50.8507 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(110, 132, 188) }
```


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

```
.border{ border-color:rgb(110, 132, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 132, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 132, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 132, 188);  
box-shadow:4px 4px 4px 4px rgb(110, 132,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7588, 23.4484, 50.8507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 132, 188) }
```

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

```
.background{ background-color: rgb(110,  
132, 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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