

Converting Colors

XYZ(23.9145, 28.5872, 50.1570)

Have a look what the booklet for
XYZ(23.9145, 28.5872, 50.1570)
contains.

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Color

**XYZ(23.8798, 28.4530,
50.1323)**

Conversions

Conversions Part 1

Format	Color
Hex	539AB9
RGB	83, 154, 185
RGB Percent	33%, 60%, 73%
CMY	0.6745, 0.3961, 0.2745
CMYK	0.55, 0.17, 0.00, 0.27
HSL	198°, 42%, 53%
HSV	198°, 55%, 73%
XYZ	23.8798, 28.4530, 50.1323
YIQ	136.3050, -52.2670, -5.4110

Conversions

Conversions Part 2

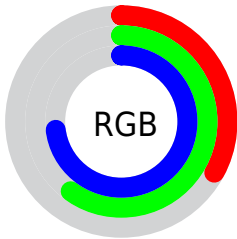
Format	Color
R _Y B	83, 125, 185
Decimal	5479097
CIE Lab	60.30, -13.36, -22.89
CIE LCh	60, 26.505, 239.731
Yxy	28.4530, 0.2331, 0.2777
Android (android.graphics.Color)	4283669177 (0xFF539AB9)
YUV	136.3050, 24.0066, -46.7485
Hunter-Lab	53.3414, -13.4367, -18.3841

Details

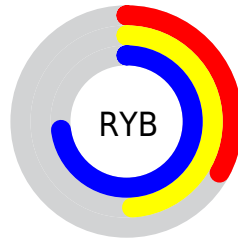
The XYZ color **23.8798, 28.4530, 50.1323** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **27.5869, 22.9742, 11.1650**, and the grayscale version is **23.4437, 24.6646, 26.8598**.

A 20% lighter version of the original color is **49.2483, 57.0381, 91.6329**, and **9.1962, 11.4598, 23.5571** is the 20% darker color. If you saturate the color by 10%, you get **21.5540, 25.9090, 49.7644**, and if you desaturate by 10%, it is **26.6864, 31.3105, 50.5365**.

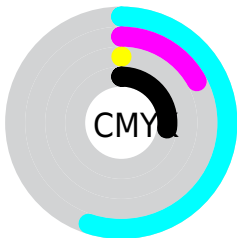
Distribution



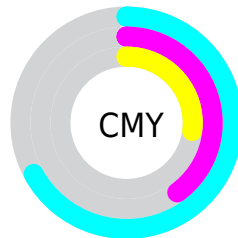
- Red (33%)
- Green (60%)
- Blue (73%)



- Red (33%)
- Yellow (49%)
- Blue (73%)



- Cyan (55%)
- Magenta (17%)
- Yellow (0%)
- Black (27%)



- Cyan (67%)
- Magenta (40%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8798, 28.4530, 50.1323 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 23.8798, 28.4530, 50.1323 by changing the saturation by 10% instead.

■ 23.8798, 28.4530,
50.1323

■ 23.8798, 28.4530,
50.1323

264.6640,
294.6252, 403.9330

■ 15.3687, 18.6674,
35.1466

■ 49.2901, 57.2069,
91.7692

■ 9.1666, 11.4302,
23.4914

■ 66.9200, 76.9439,
119.2575

■ 4.9080, 6.3570,
14.7481

■ 88.3203, 100.7670,
151.7504

■ 2.2276, 3.0633,
8.4981

■ 113.8562,
129.0604, 189.6664

■ 0.7572, 1.1649,
4.3230

143.8932,
162.2085, 233.4242

■ 0.0000, 0.0327,
1.8042

178.7966,

■ 0.0000, 0.0000,

200.5957, 283.4421

0.4307

218.9317,
244.6065, 340.1389

■ 0.0000, 0.0000,
0.0000

■ 23.8798, 28.4530,
50.1323

■ 23.8798, 28.4530,
50.1323

■ 21.5540, 25.9090,
49.7644

■ 26.6864, 31.3105,
50.5365

■ 19.6701, 23.6560,
49.4288

■ 30.0032, 34.4958,
50.9765

■ 18.1874, 21.6725,
49.1241

■ 33.8603, 38.0259,
51.4546

■ 17.0551, 19.9316,
48.8477

■ 38.2847, 41.9155,
51.9721

■ 16.5779, 19.1444,
48.7210

■ 43.3012, 46.1783,
52.5305

■ 48.9336, 50.8271,
53.1310

■ 55.2038, 55.8743,
53.7747

■ 62.1330, 61.3313,
54.4628

■ 69.7412, 67.2093,
55.1964

Harmonies

Analogous

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



21.7537, 28.4530, 41.2267



23.8798, 28.4530, 50.1323



27.0130, 28.4530, 53.7340

Triad

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



23.8798, 28.4530, 50.1323



34.1237, 28.4530, 31.0685



23.9288, 28.4530, 17.3980

Complementary

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



23.8798, 28.4530, 50.1323



27.5869, 22.9742, 11.1650

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.



27.0744, 28.4530, 15.7735



23.8798, 28.4530, 50.1323



33.1286, 28.4530, 22.5903

Square

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



23.8798, 28.4530, 50.1323



33.0934, 28.4530, 41.4112



30.4755, 28.4530, 17.4579



21.7803, 28.4530, 22.4672

Rectangle

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



23.8798, 28.4530, 50.1323



29.3119, 28.4530, 52.1626



30.4755, 28.4530, 17.4579



24.8957, 28.4530, 16.4849

Sweetspot

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



23.8807, 28.4541, 50.1330



66.7793, 73.5199, 92.8757



23.9315, 37.7434, 21.8253



14.0490, 15.5462, 19.9819



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.8807, 28.4541, 50.1330



37.8861, 45.5774, 89.0051



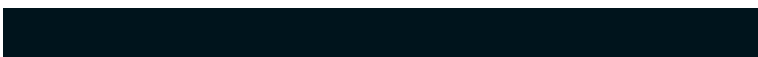
17.2152, 15.1230, 47.9111



9.0301, 9.7374, 11.4830



11.3544, 13.1685, 33.1964



0.4521, 0.5678, 1.1875

Inverse Universe

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



28.9343, 18.8347, 32.6834



48.2853, 28.2209, 52.5509



34.9527, 37.7058, 13.6202



9.2615, 9.1150, 10.7246



16.3449, 8.1117, 14.9687



0.6023, 0.2964, 0.6653

Previews

White Background



This preview shows how the XYZ color 23.8798, 28.4530, 50.1323 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 23.8798, 28.4530, 50.1323 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 23.8798, 28.4530, 50.1323

Background



This preview shows how black text looks on a background with the XYZ color 23.8798, 28.4530, 50.1323.

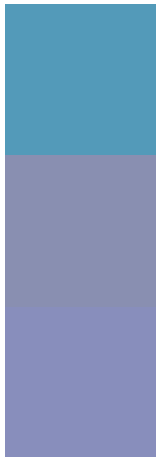


This preview shows how white text looks on a background with the XYZ color 23.8798, 28.4530,

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

23.8798, 28.4530, 50.1323

Protanopia

28.0748, 28.1376, 45.5464

Deuteranopia

28.9034, 28.2111, 51.4989



Tritanopia

22.2790, 28.5563, 41.8738

Trichromacy



Original Color

23.8798, 28.4530, 50.1323

Protanomaly

26.0081, 27.9446, 47.2031

Deuteranomaly

26.5846, 27.9275, 51.0031

Tritanomaly

22.8508, 28.5343, 44.8608

Monochromacy



Original Color

23.8798, 28.4530, 50.1323

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.9913, 25.7599, 34.3322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8798, 28.4530, 50.1323 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(83, 154, 185)` looks like.

```
.text, #text, p{  
    color:rgb(83, 154, 185)  
}
```

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(83, 154, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 154, 185) }
```

Border

The CSS property to change the border of an element to XYZ 23.8798, 28.4530, 50.1323 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(83, 154, 185) }
```


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

```
.border{ border-color:rgb(83, 154, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 154, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 154, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 154, 185);  
box-shadow:4px 4px 4px 4px rgb(83, 154,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8798, 28.4530, 50.1323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 154, 185) }
```

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

```
.background{ background-color: rgb(83, 154,  
185) }
```

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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