

Converting Colors

XYZ(23.5310, 24.4262, 38.5965)

Have a look what the booklet for
XYZ(23.5310, 24.4262, 38.5965)
contains.

XYZ(23.5310, 24.4262, 38.5965)	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(23.5310, 24.4262,
38.5965)**

Conversions

Conversions Part 1

Format	Color
Hex	7A88A4
RGB	122, 136, 164
RGB Percent	48%, 53%, 64%
CMY	0.5216, 0.4667, 0.3569
CMYK	0.26, 0.17, 0.00, 0.36
HSL	220°, 19%, 56%
HSV	220°, 26%, 64%
XYZ	23.5310, 24.4262, 38.5965
YIQ	135.0060, -17.3320, 5.7400

Conversions

Conversions Part 2

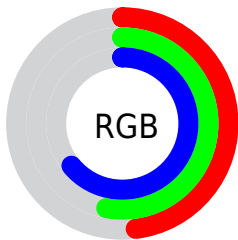
Format	Color
R_{YB}	122, 133, 164
Decimal	8030372
CIE _{Lab}	56.51, 1.41, -16.52
CIE _{LCh}	57, 16.583, 274.862
Yxy	24.4262, 0.2719, 0.2822
Android (android.graphics.Color)	4286220452 (0xFF7A88A4)
YUV	135.0060, 14.2940, -11.4063
Hunter-Lab	49.4229, -1.5034, -11.7062

Details

The XYZ color **23.5310, 24.4262, 38.5965** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **29.7293, 31.1105, 22.8509**, and the grayscale version is **22.9852, 24.1822, 26.3344**.

A 20% lighter version of the original color is **48.6630, 50.6236, 74.2244**, and **8.9249, 9.2031, 16.6352** is the 20% darker color. If you saturate the color by 10%, you get **19.9400, 20.4051, 38.0100**, and if you desaturate by 10%, it is **27.6725, 28.9654, 39.2548**.

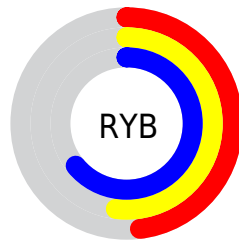
Distribution



Red (48%)

Green (53%)

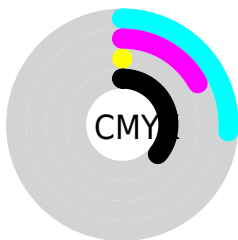
Blue (64%)



Red (48%)

Yellow (52%)

Blue (64%)

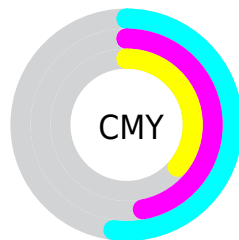


Cyan (26%)

Magenta (17%)

Yellow (0%)

Black (36%)



Cyan (52%)

Magenta (47%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5310, 24.4262, 38.5965 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 23.5310, 24.4262, 38.5965 by changing the saturation by 10% instead.

■ 23.5310, 24.4262,
38.5965

■ 23.5310, 24.4262,
38.5965

262.9254,
274.9682, 355.5465

■ 15.1089, 15.6501,
26.1406

■ 48.7240, 50.7248,
74.2350

■ 8.9827, 9.2769,
16.7021

■ 66.2257, 69.0161,
98.2547

■ 4.7869, 4.9222,
9.8626

■ 87.4846, 91.2479,
126.9661

■ 2.1562, 2.2017,
5.2036

112.8662,
117.8045, 160.7876

■ 0.7195, 0.7209,
2.3064

142.7357,
149.0705, 200.1379

■ 0.0000, 0.0000,
0.7348

177.4585,

■ 0.0000, 0.0000,

185.4302, 245.4354

0.0000

217.3999,
227.2679, 297.0988

■ 23.5310, 24.4262,
38.5965

■ 23.5310, 24.4262,
38.5965

■ 19.9400, 20.4051,
38.0100

■ 27.6725, 28.9654,
39.2548

■ 16.8729, 16.8798,
37.4912

■ 32.3850, 34.0383,
39.9856

■ 14.3041, 13.8303,
37.0380

■ 37.6906, 39.6631,
40.7916

■ 12.2050, 11.2341,
36.6475

■ 43.6097, 45.8566,
41.6751

■ 10.5437, 9.0668,
36.3168

■ 50.1617, 52.6347,
42.6381

■ 9.2838, 7.3009,
36.0423

■ 57.3649, 60.0125,
43.6825

■ 8.3794, 5.9036,
35.8203

■ 65.2370, 68.0048,
44.8103

■ 8.0516, 5.3817,
35.7368

■ 73.7950, 76.6257,
46.0232

■ 77.4774, 83.0133,
47.0621

Harmonies

Analogous

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



21.6817, 24.4262, 37.3736



23.5310, 24.4262, 38.5965



25.3934, 24.4262, 36.2595

Triad

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



23.5310, 24.4262, 38.5965



26.3825, 24.4262, 20.9935



20.0291, 24.4262, 22.3487

Complementary

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



23.5310, 24.4262, 38.5965



29.7293, 31.1105, 22.8509

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.



21.1675, 24.4262, 18.8228



23.5310, 24.4262, 38.5965



24.8218, 24.4262, 18.1194

Square

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



23.5310, 24.4262, 38.5965



27.0966, 24.4262, 25.7090



22.9046, 24.4262, 17.3830



19.7255, 24.4262, 27.5031

Rectangle

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



23.5310, 24.4262, 38.5965



26.3714, 24.4262, 33.1641



22.9046, 24.4262, 17.3830



20.3236, 24.4262, 20.9579

Sweetspot

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



23.5318, 24.4272, 38.5971



56.5091, 59.3506, 72.2298



26.7508, 32.8685, 33.4944



12.0775, 12.6784, 15.7481



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.5318, 24.4272, 38.5971



38.7018, 39.8671, 69.4076



22.6082, 21.2125, 38.0252



6.8844, 7.2278, 8.9353



6.2135, 4.2064, 27.4142



0.1725, 0.1724, 0.5900

Inverse Universe

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



26.7139, 23.5898, 26.4389



45.5977, 38.3425, 42.9951



30.8304, 35.1953, 23.5814



7.1666, 7.1231, 7.8639



12.2818, 6.2688, 3.4084



0.2793, 0.1402, 0.1832

Previews

White Background



This preview shows how the XYZ color 23.5310, 24.4262, 38.5965 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 23.5310, 24.4262, 38.5965 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 23.5310, 24.4262, 38.5965

Background



This preview shows how black text looks on a background with the XYZ color 23.5310, 24.4262, 38.5965.



This preview shows how white text looks on a background with the XYZ color 23.5310, 24.4262,

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

23.5310, 24.4262, 38.5965

Protanopia

24.1892, 24.3617, 38.0777

Deuteranopia

24.8743, 24.2875, 38.9742



Tritanopia

22.3454, 24.5892, 32.4226

Trichromacy



Original Color

23.5310, 24.4262, 38.5965

Protanomaly

23.8790, 24.4079, 38.1030

Deuteranomaly

24.3850, 24.2375, 38.9904

Tritanomaly

22.7506, 24.5366, 34.5473

Monochromacy



Original Color

23.5310, 24.4262, 38.5965

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.0582, 24.1491, 30.6401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5310, 24.4262, 38.5965 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(122, 136, 164)` looks like.

```
.text, #text, p{  
    color:rgb(122, 136, 164)  
}
```

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(122, 136, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 136, 164) }
```

Border

The CSS property to change the border of an element to XYZ 23.5310, 24.4262, 38.5965 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(122, 136, 164) }
```


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

```
.border{ border-color:rgb(122, 136, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 136, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 136, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 136, 164);  
box-shadow:4px 4px 4px 4px rgb(122, 136,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5310, 24.4262, 38.5965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 136, 164) }
```

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

```
.background{ background-color: rgb(122,  
136, 164) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor