

Converting Colors

XYZ(23.2055, 24.9879, 38.5786)

Have a look what the booklet for
XYZ(23.2055, 24.9879, 38.5786)
contains.

XYZ(23.1359, 24.8586, 38.7008)	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(23.1359, 24.8586,
38.7008)**

Conversions

Conversions Part 1

Format	Color
Hex	748BA4
RGB	116, 139, 164
RGB Percent	45%, 55%, 64%
CMY	0.5451, 0.4549, 0.3569
CMYK	0.29, 0.15, 0.00, 0.36
HSL	211°, 21%, 55%
HSV	211°, 29%, 64%
XYZ	23.1359, 24.8586, 38.7008
YIQ	134.9730, -21.7330, 2.8990

Conversions

Conversions Part 2

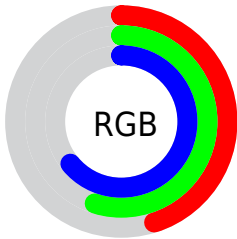
Format	Color
R _Y B	116, 132, 164
Decimal	7637924
CIE Lab	56.94, -2.20, -15.92
CIE LCh	57, 16.068, 262.148
Yxy	24.8586, 0.2669, 0.2867
Android (android.graphics.Color)	4285828004 (0xFF748BA4)
YUV	134.9730, 14.3103, -16.6393
Hunter-Lab	49.8584, -4.4225, -11.1209

Details

The XYZ color **23.1359, 24.8586, 38.7008** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.9874, 28.2033, 20.4923**, and the grayscale version is **22.9741, 24.1706, 26.3217**.

A 20% lighter version of the original color is **47.9980, 51.2488, 74.3801**, and **8.7438, 9.4729, 16.6968** is the 20% darker color. If you saturate the color by 10%, you get **19.9567, 21.4554, 38.2119**, and if you desaturate by 10%, it is **26.7982, 28.6554, 39.2411**.

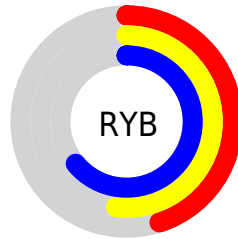
Distribution



Red (45%)

Green (55%)

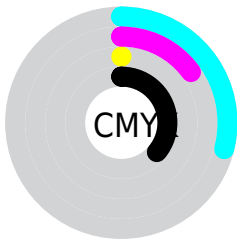
Blue (64%)



Red (45%)

Yellow (52%)

Blue (64%)

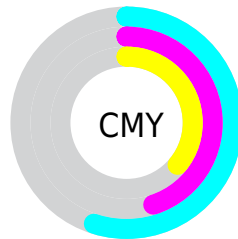


Cyan (29%)

Magenta (15%)

Yellow (0%)

Black (36%)



Cyan (55%)

Magenta (45%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1359, 24.8586, 38.7008 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 23.1359, 24.8586, 38.7008 by changing the saturation by 10% instead.

■ 23.1359, 24.8586,
38.7008

■ 23.1359, 24.8586,
38.7008

260.9446,
277.1330, 356.0047

■ 14.8151, 15.9717,
26.2210

■ 48.0814, 51.4277,
74.3963

■ 8.7752, 9.5042,
16.7618

■ 65.4368, 69.8788,
98.4491

■ 4.6508, 5.0715,
9.9046

■ 86.5345, 92.2867,
127.1967

■ 2.0765, 2.2893,
5.2310

111.7399,
119.0359, 161.0575

■ 0.6764, 0.7680,
2.3223

141.4182,
150.5107, 200.4502

■ 0.0000, 0.0000,
0.7437

175.9348,

■ 0.0000, 0.0000,

187.0956, 245.7933

0.0000

215.6552,
229.1749, 297.5052

■ 23.1359, 24.8586,
38.7008

■ 23.1359, 24.8586,
38.7008

■ 19.9567, 21.4554,
38.2119

■ 26.7982, 28.6554,
39.2411

■ 17.2358, 18.4281,
37.7710

■ 30.9621, 32.8569,
39.8326

■ 14.9496, 15.7617,
37.3768

■ 35.6479, 37.4771,
40.4774

■ 13.0713, 13.4389,
37.0275

■ 40.8743, 42.5286,
41.1770

■ 11.5707, 11.4405,
36.7208

■ 46.6587, 48.0233,
41.9327

■ 10.4127, 9.7446,
36.4545

■ 53.0178, 53.9725,
42.7458

■ 9.5274, 8.3111,
36.2245

■ 59.9677, 60.3874,
43.6177

■ 9.4673, 8.2132,
36.2087

■ 67.5237, 67.2784,
44.5496

■ 72.4645, 72.9875,
45.3911

Harmonies

Analogous

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



21.4733, 24.8586, 36.1136



23.1359, 24.8586, 38.7008



25.0197, 24.8586, 37.8588

Triad

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



23.1359, 24.8586, 38.7008



27.1442, 24.8586, 23.3406



20.8807, 24.8586, 21.1864

Complementary

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



23.1359, 24.8586, 38.7008



27.9874, 28.2033, 20.4923

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.



22.2877, 24.8586, 18.5494



23.1359, 24.8586, 38.7008



25.9208, 24.8586, 19.6731

Square

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



23.1359, 24.8586, 38.7008



27.4010, 24.8586, 28.5090



24.1257, 24.8586, 18.0347



20.2172, 24.8586, 25.6740

Rectangle

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



23.1359, 24.8586, 38.7008



26.1428, 24.8586, 35.5110



24.1257, 24.8586, 18.0347



21.2787, 24.8586, 20.0801

Sweetspot

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



23.1367, 24.8596, 38.7014



56.2796, 59.7188, 72.3130



25.2713, 32.1816, 30.0016



12.0619, 12.8141, 15.7752



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.



23.1367, 24.8596, 38.7014



38.2093, 41.0945, 69.6705



20.2561, 18.9398, 37.7106



6.9674, 7.3937, 8.9630



7.3063, 6.3920, 27.7785



0.2008, 0.2289, 0.5994

Inverse Universe

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



26.2161, 22.2480, 27.3398



44.8091, 35.9594, 45.2167



31.5736, 35.6200, 21.7348



7.2085, 7.1399, 8.0844



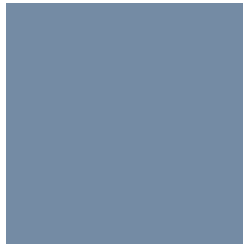
12.8333, 6.4894, 6.3130



0.2935, 0.1459, 0.2583

Previews

White Background



This preview shows how the XYZ color 23.1359, 24.8586, 38.7008 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 23.1359, 24.8586, 38.7008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

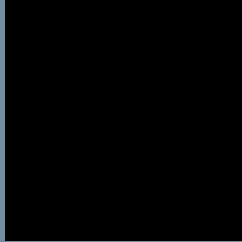
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

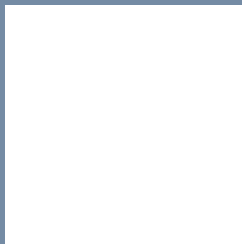
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1359, 24.8586, 38.7008

Background



This preview shows how black text looks on a background with the XYZ color 23.1359, 24.8586, 38.7008.



This preview shows how white text looks on a background with the XYZ color 23.1359, 24.8586,

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

23.1359, 24.8586, 38.7008

Protanopia

24.4571, 24.7264, 37.2019

Deuteranopia

25.1707, 24.6426, 39.0272



Tritanopia

22.0024, 24.8275, 33.3383

Trichromacy



Original Color

23.1359, 24.8586, 38.7008

Protanomaly

23.9299, 24.6526, 37.6796

Deuteranomaly

24.3576, 24.6338, 39.0683

Tritanomaly

22.3183, 24.7339, 35.0503

Monochromacy



Original Color

23.1359, 24.8586, 38.7008

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.8946, 24.2728, 30.6726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1359, 24.8586, 38.7008 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(116, 139, 164)` looks like.

```
.text, #text, p{  
    color:rgb(116, 139, 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(116, 139, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 139, 164) }
```

Border

The CSS property to change the border of an element to XYZ 23.1359, 24.8586, 38.7008 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(116, 139, 164) }
```


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

```
.border{ border-color:rgb(116, 139, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 139, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 139, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 139, 164); box-shadow:4px 4px 4px 4px rgb(116, 139, 164) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1359, 24.8586, 38.7008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 139, 164) }
```

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

```
.background{ background-color: rgb(116,  
139, 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](#).

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