

Converting Colors

XYZ(23.3075, 24.7120, 39.6179)

Have a look what the booklet for
XYZ(23.3075, 24.7120, 39.6179)
contains.

XYZ(23.3075, 24.7120, 39.6179)	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(23.3075, 24.7120,
39.6179)**

Conversions

Conversions Part 1

Format	Color
Hex	758AA6
RGB	117, 138, 166
RGB Percent	46%, 54%, 65%
CMY	0.5412, 0.4588, 0.3490
CMYK	0.30, 0.17, 0.00, 0.35
HSL	214°, 22%, 55%
HSV	214°, 30%, 65%
XYZ	23.3075, 24.7120, 39.6179
YIQ	134.9130, -21.5040, 4.2560

Conversions

Conversions Part 2

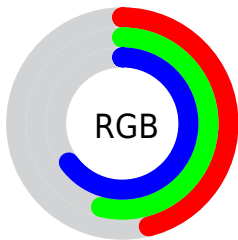
Format	Color
R_{YB}	117, 132, 166
Decimal	7703206
CIE _{Lab}	56.79, -0.81, -17.28
CIE _{LCh}	57, 17.294, 267.329
Yxy	24.7120, 0.2660, 0.2820
Android (android.graphics.Color)	4285893286 (0xFF758AA6)
YUV	134.9130, 15.3259, -15.7097
Hunter-Lab	49.7112, -3.3033, -12.4540

Details

The XYZ color **23.3075, 24.7120, 39.6179** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.0626, 29.6424, 21.0201**, and the grayscale version is **22.9482, 24.1433, 26.2920**.

A 20% lighter version of the original color is **48.2595, 51.0281, 75.7125**, and **8.8417, 9.3876, 17.2656** is the 20% darker color. If you saturate the color by 10%, you get **19.9699, 21.0591, 39.0892**, and if you desaturate by 10%, it is **27.1610, 28.8085, 40.2059**.

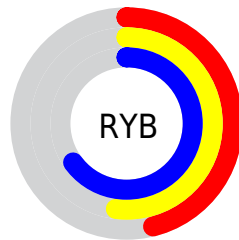
Distribution



Red (46%)

Green (54%)

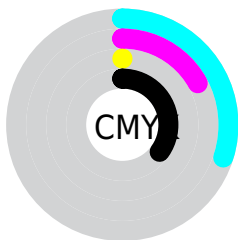
Blue (65%)



Red (46%)

Yellow (52%)

Blue (65%)

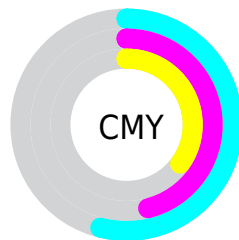


Cyan (30%)

Magenta (17%)

Yellow (0%)

Black (35%)



Cyan (54%)

Magenta (46%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3075, 24.7120, 39.6179 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 23.3075, 24.7120, 39.6179 by changing the saturation by 10% instead.

■ 23.3075, 24.7120,
39.6179

■ 23.3075, 24.7120,
39.6179

261.8064,
276.4006, 360.0145

■ 14.9427, 15.8626,
26.9292

■ 48.3607, 51.1896,
75.8120

■ 8.8652, 9.4270,
17.2881

■ 65.7798, 69.5866,
100.1546

■ 4.7098, 5.0207,
10.2760

■ 86.9477, 91.9350,
129.2188

■ 2.1110, 2.2594,
5.4743

112.2297,
118.6191, 163.4233

■ 0.6952, 0.7521,
2.4646

141.9912,
150.0233, 203.1866

■ 0.0000, 0.0000,
0.8213

176.5976,

■ 0.0000, 0.0000,

186.5320, 248.9272

0.0000

216.4142,
228.5297, 301.0637

■ 23.3075, 24.7120,
39.6179

■ 23.3075, 24.7120,
39.6179

■ 19.9699, 21.0591,
39.0892

■ 27.1610, 28.8085,
40.2059

■ 17.1221, 17.8301,
38.6160

■ 31.5504, 33.3614,
40.8534

■ 14.7387, 15.0079,
38.1969

■ 36.4974, 38.3868,
41.5626

■ 12.7913, 12.5728,
37.8295

■ 42.0218, 43.8987,
42.3354

■ 11.2477, 10.5031,
37.5114

■ 48.1421, 49.9109,
43.1733

■ 10.0706, 8.7744,
37.2397

■ 54.8764, 56.4363,
44.0779

■ 9.1850, 7.3422,
37.0099

■ 62.2417, 63.4874,
45.0507

■ 9.1456, 7.2784,
36.9997

■ 70.2545, 71.0762,
46.0931

■ 74.6100, 76.9872,
47.0045

Harmonies

Analogous

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



21.4532, 24.7120, 37.3986



23.3075, 24.7120, 39.6179



25.3166, 24.7120, 38.0479

Triad

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



23.3075, 24.7120, 39.6179



27.1101, 24.7120, 22.1167



20.3679, 24.7120, 21.3383

Complementary

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



23.3075, 24.7120, 39.6179



29.0626, 29.6424, 21.0201

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.



21.7496, 24.7120, 18.1858



23.3075, 24.7120, 39.6179



25.6476, 24.7120, 18.5879

Square

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



23.3075, 24.7120, 39.6179



27.5852, 24.7120, 27.4288



23.6695, 24.7120, 17.2553



19.8180, 24.7120, 26.3922

Rectangle

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



23.3075, 24.7120, 39.6179



26.4610, 24.7120, 35.1724



23.6695, 24.7120, 17.2553



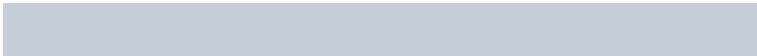
20.7465, 24.7120, 20.0502

Sweetspot

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



23.3083, 24.7130, 39.6185



57.5573, 60.8517, 74.1872



26.0658, 33.0920, 31.7080



12.6144, 13.3444, 16.5630



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.3083, 24.7130, 39.6185



38.4780, 40.6910, 71.3014



21.0276, 19.4886, 38.7303



7.3863, 7.8095, 9.5364



7.1365, 5.7332, 28.7060



0.2248, 0.2417, 0.7155

Inverse Universe

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



26.6753, 22.6652, 27.0146



45.6311, 36.7627, 44.4301



31.8973, 36.3157, 22.1587



7.6596, 7.5937, 8.5245



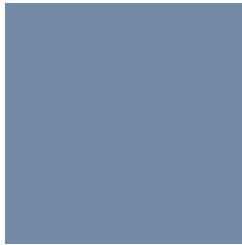
13.1028, 6.6498, 5.3528



0.3446, 0.1721, 0.2661

Previews

White Background



This preview shows how the XYZ color 23.3075, 24.7120, 39.6179 looks on a white background.

Color Contrast Check

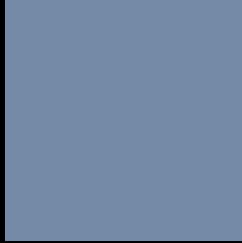
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3075, 24.7120, 39.6179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

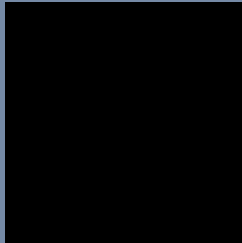
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.3075, 24.7120, 39.6179

Background



This preview shows how black text looks on a background with the XYZ color 23.3075, 24.7120, 39.6179.



This preview shows how white text looks on a background with the XYZ color 23.3075, 24.7120,

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

23.3075, 24.7120, 39.6179

Protanopia

24.5707, 24.7541, 38.6050

Deuteranopia

25.1941, 24.6334, 39.9861



Tritanopia

21.9850, 24.6006, 33.2954

Trichromacy



Original Color

23.3075, 24.7120, 39.6179

Protanomaly

24.0531, 24.6849, 39.0942

Deuteranomaly

24.5411, 24.7072, 40.0347

Tritanomaly

22.3887, 24.5444, 35.4558

Monochromacy



Original Color

23.3075, 24.7120, 39.6179

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 23.3075, 24.7120, 39.6179 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(117, 138, 166)` looks like.

```
.text, #text, p{  
    color:rgb(117, 138, 166)  
}
```

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(117, 138, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 138, 166) }
```

Border

The CSS property to change the border of an element to XYZ 23.3075, 24.7120, 39.6179 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(117, 138, 166) }
```


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

```
.border{ border-color:rgb(117, 138, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 138, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 138, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 138, 166);  
box-shadow:4px 4px 4px 4px rgb(117, 138,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3075, 24.7120, 39.6179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 138, 166) }
```

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

```
.background{ background-color: rgb(117,  
138, 166) }
```

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