

Converting Colors

XYZ(23.8610, 28.2579, 35.2012)

Have a look what the booklet for
XYZ(23.8610, 28.2579, 35.2012)
contains.

XYZ(23.8267, 28.2678, 35.2108)	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(23.8267, 28.2678,
35.2108)**

Conversions

Conversions Part 1

Format	Color
Hex	70989B
RGB	112, 152, 155
RGB Percent	44%, 60%, 61%
CMY	0.5608, 0.4039, 0.3922
CMYK	0.28, 0.02, 0.00, 0.39
HSL	184°, 18%, 52%
HSV	184°, 28%, 61%
XYZ	23.8267, 28.2678, 35.2108
YIQ	140.3820, -24.8030, -7.5470

Conversions

Conversions Part 2

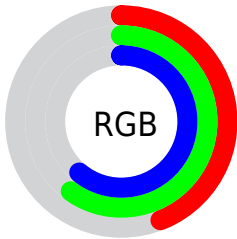
Format	Color
R_{YB}	112, 133, 155
Decimal	7379099
CIE _{Lab}	60.13, -12.88, -6.02
CIE _{LCh}	60, 14.217, 205.052
Yxy	28.2678, 0.2729, 0.3238
Android (android.graphics.Color)	4285569179 (0xFF70989B)
YUV	140.3820, 7.2067, -24.8910
Hunter-Lab	53.1675, -13.0493, -2.0483

Details

The XYZ color **23.8267, 28.2678, 35.2108** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.5732, 20.3999, 18.0776**, and the grayscale version is **25.0563, 26.3611, 28.7073**.

A 20% lighter version of the original color is **49.0970, 56.7454, 68.6869**, and **9.1390, 11.3310, 14.8021** is the 20% darker color. If you saturate the color by 10%, you get **21.8474, 26.9889, 35.0687**, and if you desaturate by 10%, it is **26.1488, 29.7272, 35.3706**.

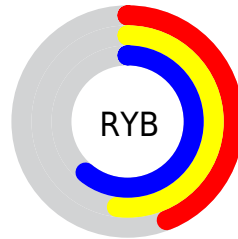
Distribution



Red (44%)

Green (60%)

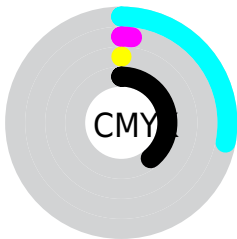
Blue (61%)



Red (44%)

Yellow (52%)

Blue (61%)

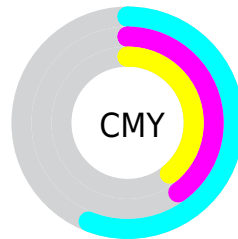


Cyan (28%)

Magenta (2%)

Yellow (0%)

Black (39%)



Cyan (56%)

Magenta (40%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8267, 28.2678, 35.2108 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 23.8267, 28.2678, 35.2108 by changing the saturation by 10% instead.

■ 23.8267, 28.2678,
35.2108

■ 23.8267, 28.2678,
35.2108

264.3999,
293.7444, 340.4303

■ 15.3292, 18.5276,
23.5405

■ 49.2040, 56.9117,
68.9675

■ 9.1385, 11.3295,
14.7840

■ 66.8144, 76.5842,
91.8909

■ 4.8895, 6.2889,
8.5230

■ 88.1932, 100.3364,
119.4024

■ 2.2167, 3.0215,
4.3389

■ 113.7058,
128.5524, 151.9205

■ 0.7515, 1.1430,
1.8130

143.7173,
161.6169, 189.8638

■ 0.0000, 0.0144,
0.4365

178.5933,

■ 0.0000, 0.0000,

199.9141, 233.6509

0.0000

218.6990,
243.8284, 283.7002

■ 23.8267, 28.2678,
35.2108

■ 23.8267, 28.2678,
35.2108

■ 21.8474, 26.9889,
35.0687

■ 26.1488, 29.7272,
35.3706

■ 20.1911, 25.8782,
34.9417

■ 28.8273, 31.3719,
35.5469

■ 18.8395, 24.9270,
34.8293

■ 31.8782, 33.2111,
35.7411

■ 17.7718, 24.1244,
34.7306

■ 35.3157, 35.2520,
35.9538

■ 16.9644, 23.4584,
34.6446

■ 39.1534, 37.5015,
36.1857

■ 16.3900, 22.9148,
34.5700

■ 43.4041, 39.9663,
36.4375

■ 16.0001, 22.4687,
34.5044

■ 48.0800, 42.6528,
36.7096

■ 15.9192, 22.3720,
34.4900

■ 53.1929, 45.5670,
37.0026

■ 58.7542, 48.7147,
37.3170

Harmonies

Analogous

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



23.5367, 28.2678, 29.9242



23.8267, 28.2678, 35.2108



24.9166, 28.2678, 39.7256

Triad

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



23.8267, 28.2678, 35.2108



29.8329, 28.2678, 36.8705



27.1700, 28.2678, 21.8516

Complementary

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



23.8267, 28.2678, 35.2108



22.5732, 20.3999, 18.0776

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.



28.9181, 28.2678, 23.2876



23.8267, 28.2678, 35.2108



30.4991, 28.2678, 31.6495

Square

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



23.8267, 28.2678, 35.2108



28.3737, 28.2678, 40.7570



30.1570, 28.2678, 26.7353



25.4160, 28.2678, 22.5786

Rectangle

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



23.8267, 28.2678, 35.2108



25.9770, 28.2678, 41.4878



30.1570, 28.2678, 26.7353



27.7786, 28.2678, 22.0922

Sweetspot

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



23.8275, 28.2689, 35.2114



51.4139, 56.0540, 63.6460



21.4908, 28.1227, 20.4755



11.4737, 12.5879, 14.3953



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.8275, 28.2689, 35.2114



40.5070, 49.2353, 62.9047



20.6661, 21.9461, 34.1576



6.3477, 6.9528, 7.9364



12.7976, 17.9918, 27.7060



0.2008, 0.2880, 0.4174

Inverse Universe

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



24.9799, 20.8245, 32.4101



42.9254, 33.8227, 56.9783



25.2986, 25.8507, 18.9860



6.4426, 6.3162, 7.7110



14.9184, 7.2216, 21.8931



0.2278, 0.1099, 0.3526

Previews

White Background



This preview shows how the XYZ color 23.8267, 28.2678, 35.2108 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 23.8267, 28.2678, 35.2108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

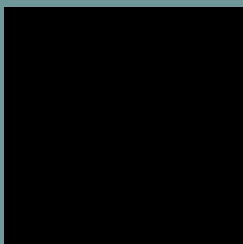
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

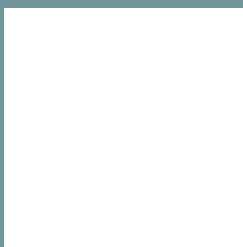
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8267, 28.2678, 35.2108

Background



This preview shows how black text looks on a background with the XYZ color 23.8267, 28.2678, 35.2108.

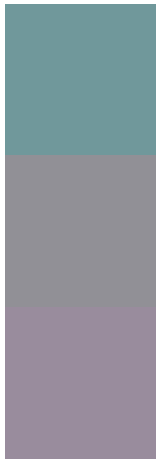


This preview shows how white text looks on a background with the XYZ color 23.8267, 28.2678,

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

23.8267, 28.2678, 35.2108

Protanopia

27.1553, 28.1683, 32.8599

Deuteranopia

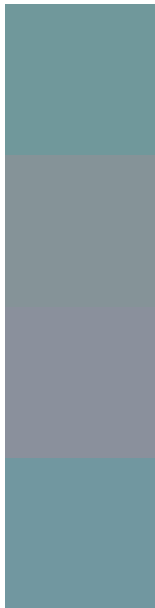
28.6008, 27.9628, 35.7882



Tritanopia

24.6169, 28.3550, 38.8259

Trichromacy



Original Color

23.8267, 28.2678, 35.2108

Protanomaly

25.7741, 28.1210, 33.7752

Deuteranomaly

26.4552, 27.7501, 35.4145

Tritanomaly

24.2218, 28.1820, 37.4207

Monochromacy



Original Color

23.8267, 28.2678, 35.2108

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.2900, 26.7367, 30.6685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8267, 28.2678, 35.2108 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(112, 152, 155)` looks like.

```
.text, #text, p{  
    color:rgb(112, 152, 155)  
}
```

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(112, 152, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 152, 155) }
```

Border

The CSS property to change the border of an element to XYZ 23.8267, 28.2678, 35.2108 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(112, 152, 155) }
```


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

```
.border{ border-color:rgb(112, 152, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 152, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 152, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 152, 155);  
box-shadow:4px 4px 4px 4px rgb(112, 152,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8267, 28.2678, 35.2108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 152, 155) }
```

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

```
.background{ background-color: rgb(112,  
152, 155) }
```

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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