

Converting Colors

XYZ(33.8605, 38.2702, 55.4738)

Have a look what the booklet for
XYZ(33.8605, 38.2702, 55.4738)
contains.

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Color

**XYZ(33.7827, 38.2164,
55.4651)**

Conversions

Conversions Part 1

Format	Color
Hex	84ACC0
RGB	132, 172, 192
RGB Percent	52%, 67%, 75%
CMY	0.4823, 0.3255, 0.2471
CMYK	0.31, 0.10, 0.00, 0.25
HSL	200°, 32%, 64%
HSV	200°, 31%, 75%
XYZ	33.7827, 38.2164, 55.4651
YIQ	162.3200, -30.2600, -2.2600

Conversions

Conversions Part 2

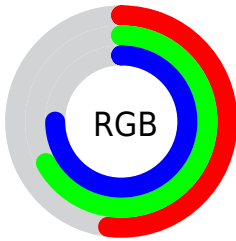
Format	Color
R_{YB}	132, 156, 192
Decimal	8694976
CIE _{Lab}	68.18, -8.67, -14.59
CIE _{LCh}	68, 16.970, 239.294
Yxy	38.2164, 0.2650, 0.2998
Android (android.graphics.Color)	4286885056 (0xFF84ACC0)
YUV	162.3200, 14.6322, -26.5906
Hunter-Lab	61.8194, -10.6384, -9.9221

Details

The XYZ color **33.7827, 38.2164, 55.4651** is a light color, and the websafe version is hex **669999**. A complement of this color would be **37.1319, 35.3293, 26.6930**, and the grayscale version is **34.4373, 36.2307, 39.4553**.

A 20% lighter version of the original color is **64.6621, 72.1546, 99.3261**, and **14.6849, 17.0025, 26.9339** is the 20% darker color. If you saturate the color by 10%, you get **29.8636, 34.4321, 54.9419**, and if you desaturate by 10%, it is **38.3154, 42.4059, 56.0355**.

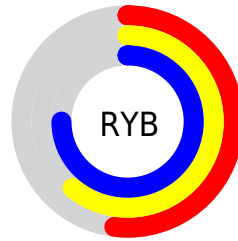
Distribution



Red (52%)

Green (67%)

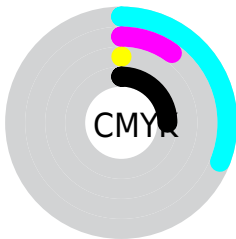
Blue (75%)



Red (52%)

Yellow (61%)

Blue (75%)

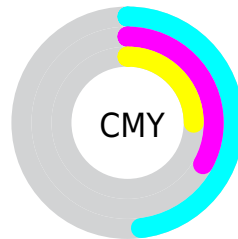


Cyan (31%)

Magenta (10%)

Yellow (0%)

Black (25%)



Cyan (48%)

Magenta (33%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7827, 38.2164, 55.4651 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 33.7827, 38.2164, 55.4651 by changing the saturation by 10% instead.

■ 33.7827, 38.2164,
55.4651

■ 33.7827, 38.2164,
55.4651

310.7650,
338.5474, 425.0041

■ 22.8888, 26.1507,
39.3731

■ 64.9421, 72.4397,
99.7000

■ 14.6317, 16.9364,
26.7400

■ 85.9384, 95.3661,
128.6801

■ 8.6459, 10.1892,
17.1474

■ 111.0328,
122.6815, 162.7932

■ 4.5662, 5.5246,
10.1766

140.5908,
154.7703, 202.4579

■ 2.0272, 2.5582,
5.4090

174.9777,
192.0168, 248.0929

■ 0.6492, 0.9057,
2.4263

214.5587,

■ 0.0000, 0.0000,

234.8056, 300.1165

0.8007

259.6994,
283.5210, 358.9474

■ 0.0000, 0.0000,
0.0000

■ 33.7827, 38.2164,
55.4651

■ 33.7827, 38.2164,
55.4651

■ 29.8636, 34.4321,
54.9419

■ 38.3154, 42.4059,
56.0355

■ 26.5233, 31.0312,
54.4615

■ 43.4870, 47.0121,
56.6520

■ 23.7290, 27.9964,
54.0230

■ 49.3256, 52.0516,
57.3170

■ 21.4427, 25.3068,
53.6243

■ 55.8565, 57.5386,
58.0319

■ 19.6211, 22.9389,
53.2633

■ 63.1036, 63.4864,
58.7980

■ 18.2130, 20.8648,
52.9372

■ 71.0896, 69.9081,
59.6166

■ 17.2345, 19.2458,
52.6762

■ 75.5158, 74.5883,
60.2867

■ 77.1955, 77.9477,
60.8466

■ 78.9398, 81.4363,
61.4280

Harmonies

Analogous

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



32.0575, 38.2164, 49.1695



33.7827, 38.2164, 55.4651



36.2608, 38.2164, 57.9794

Triad

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



33.7827, 38.2164, 55.4651



41.6618, 38.2164, 41.7912



33.8864, 38.2164, 30.1354

Complementary

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



33.7827, 38.2164, 55.4651



37.1319, 35.3293, 26.6930

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.



36.3864, 38.2164, 28.6558



33.7827, 38.2164, 55.4651



40.9522, 38.2164, 34.8701

Square

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



33.7827, 38.2164, 55.4651



40.8842, 38.2164, 49.5184



38.9887, 38.2164, 30.2806



32.1153, 38.2164, 34.5940

Rectangle

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



33.7827, 38.2164, 55.4651



38.0337, 38.2164, 56.9640



38.9887, 38.2164, 30.2806



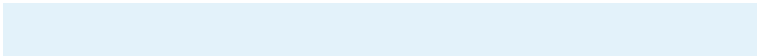
34.6654, 38.2164, 29.2990

Sweetspot

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



33.7839, 38.2179, 55.4660



80.9198, 87.0382, 102.8954



33.9521, 44.8399, 36.1446



17.0408, 18.3941, 22.0376



92.9021, 97.7402, 106.4391



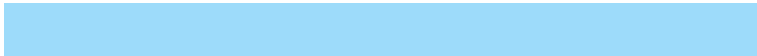
19.4759, 20.4902, 22.3138

Same Dimension

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



33.7839, 38.2179, 55.4660



56.5825, 64.8137, 99.8884



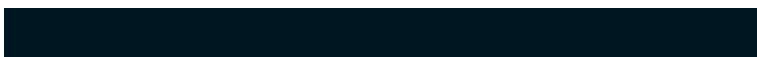
28.8535, 28.3572, 53.8225



10.0766, 10.8445, 12.8469



11.6708, 13.0981, 35.4697



0.5655, 0.6883, 1.5529

Inverse Universe

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



37.4369, 30.6886, 42.9818



64.3165, 49.6864, 73.2748



42.4277, 45.9209, 28.4582



10.3499, 10.1886, 11.9334



17.2869, 8.6045, 14.6885



0.7778, 0.3841, 0.7973

Previews

White Background



This preview shows how the XYZ color 33.7827, 38.2164, 55.4651 looks on a white background.

Color Contrast Check

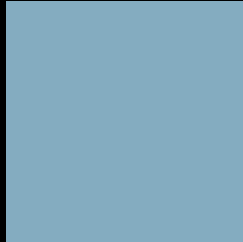
Large Text (above 18pt) WCAG AA × Fail

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 33.7827, 38.2164, 55.4651 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 ✓ Pass

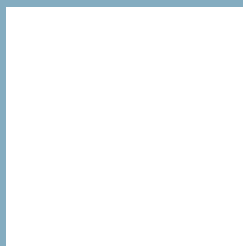
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7827, 38.2164, 55.4651

Background



This preview shows how black text looks on a background with the XYZ color 33.7827, 38.2164, 55.4651.



This preview shows how white text looks on a background with the XYZ color 33.7827, 38.2164,

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

33.7827, 38.2164, 55.4651

Protanopia

37.1454, 37.8202, 52.3560

Deuteranopia

38.8064, 38.0605, 56.3400



Tritanopia

33.2733, 38.3003, 52.6527

Trichromacy



Original Color

33.7827, 38.2164, 55.4651

Protanomaly

35.7665, 37.8909, 53.5727

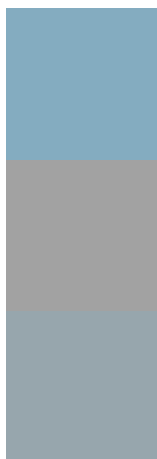
Deuteranomaly

36.7794, 38.0913, 55.8659

Tritanomaly

33.4890, 38.3866, 53.7884

Monochromacy



Original Color

33.7827, 38.2164, 55.4651

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.9415, 36.8689, 44.8627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7827, 38.2164, 55.4651 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(132, 172, 192)` looks like.

```
.text, #text, p{  
    color:rgb(132, 172, 192)  
}
```

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(132, 172, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 172, 192) }
```

Border

The CSS property to change the border of an element to XYZ 33.7827, 38.2164, 55.4651 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(132, 172, 192) }
```


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

```
.border{ border-color:rgb(132, 172, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 172, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 172, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 172, 192);  
box-shadow:4px 4px 4px 4px rgb(132, 172,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7827, 38.2164, 55.4651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 172, 192) }
```

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

```
.background{ background-color: rgb(132,  
172, 192) }
```

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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