

Converting Colors

XYZ(33.2549, 37.0220, 56.5665)

Have a look what the booklet for
XYZ(33.2549, 37.0220, 56.5665)
contains.

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Color

**XYZ(33.2856, 37.0963,
56.4449)**

Conversions

Conversions Part 1

Format	Color
Hex	83A9C2
RGB	131, 169, 194
RGB Percent	51%, 66%, 76%
CMY	0.4863, 0.3372, 0.2392
CMYK	0.32, 0.13, 0.00, 0.24
HSL	204°, 34%, 64%
HSV	204°, 32%, 76%
XYZ	33.2856, 37.0963, 56.4449
YIQ	160.4880, -30.6730, -0.2810

Conversions

Conversions Part 2

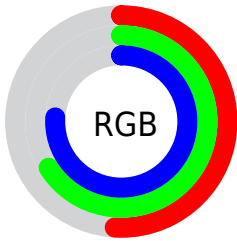
Format	Color
RYB	131, 155, 194
Decimal	8628674
CIELab	67.35, -6.83, -16.96
CIELCh	67, 18.283, 248.059
Yxy	37.0963, 0.2624, 0.2925
Android (android.graphics.Color)	4286818754 (0xFF83A9C2)
YUV	160.4880, 16.5214, -25.8610
Hunter-Lab	60.9067, -9.0363, -12.3119

Details

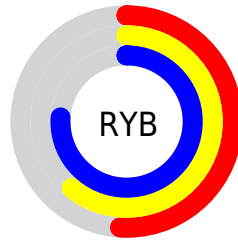
The XYZ color **33.2856, 37.0963, 56.4449** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.2338, 36.8852, 26.5780**, and the grayscale version is **33.5760, 35.3245, 38.4684**.

A 20% lighter version of the original color is **64.3179, 70.7154, 101.5263**, and **14.3194, 16.2783, 27.1983** is the 20% darker color. If you saturate the color by 10%, you get **29.1676, 32.9104, 55.8546**, and if you desaturate by 10%, it is **38.0528, 41.7438, 57.0913**.

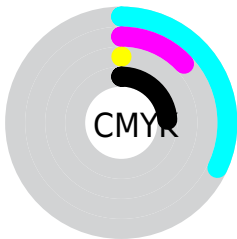
Distribution



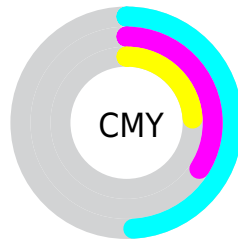
- Red (51%)
- Green (66%)
- Blue (76%)



- Red (51%)
- Yellow (61%)
- Blue (76%)



- Cyan (32%)
- Magenta (13%)
- Yellow (0%)
- Black (24%)



- Cyan (49%)
- Magenta (34%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2856, 37.0963, 56.4449 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 33.2856, 37.0963, 56.4449 by changing the saturation by 10% instead.

■ 33.2856, 37.0963,
56.4449

■ 33.2856, 37.0963,
56.4449

308.5770,
333.7273, 428.8013

■ 22.5056, 25.2821,
40.1534

■ 64.1729, 70.7209,
101.1470

■ 14.3476, 16.2873,
27.3434

■ 85.0108, 93.3000,
130.3947

■ 8.4461, 9.7277,
17.5966

■ 109.9322,
120.2362, 164.7982

■ 4.4359, 5.2188,
10.4943

139.3023,
151.9139, 204.7760

■ 1.9516, 2.3762,
5.6181

173.4864,
188.7174, 250.7467

■ 0.6065, 0.8136,
2.5493

212.8500,

■ 0.0000, 0.0000,

231.0312, 303.1288

0.8661

257.7584,
279.2397, 362.3408

0.0000, 0.0000,
0.0000

33.2856, 37.0963,
56.4449

33.2856, 37.0963,
56.4449

29.1676, 32.9104,
55.8546

38.0528, 41.7438,
57.0913

25.6625, 29.1627,
55.3160

43.4962, 46.8662,
57.7932

22.7354, 25.8338,
54.8277

49.6453, 52.4818,
58.5530

20.3460, 22.9007,
54.3875

56.5268, 58.6062,
59.3724

18.4486, 20.3375,
53.9928

64.1660, 65.2544,
60.2530

■ 16.9885, 18.1136,
53.6405

■ 72.5868, 72.4407,
61.1963

■ 16.1016, 16.6228,
53.3995

■ 77.3357, 77.8710,
61.9941

■ 79.4381, 82.0757,
62.6949

■ 81.6351, 86.4699,
63.4273

Harmonies

Analogous

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



31.1881, 37.0963, 50.6600



33.2856, 37.0963, 56.4449



36.0189, 37.0963, 57.6589

Triad

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



33.2856, 37.0963, 56.4449



40.8617, 37.0963, 38.2687



32.0436, 37.0963, 29.4286

Complementary

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



33.2856, 37.0963, 56.4449



38.2338, 36.8852, 26.5780

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.



34.5097, 37.0963, 26.9697



33.2856, 37.0963, 56.4449



39.6694, 37.0963, 31.6138

Square

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



33.2856, 37.0963, 56.4449



40.4913, 37.0963, 46.4300



37.3087, 37.0963, 27.7131



30.4979, 37.0963, 34.9008

Rectangle

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



33.2856, 37.0963, 56.4449



37.8520, 37.0963, 55.5802



37.3087, 37.0963, 27.7131



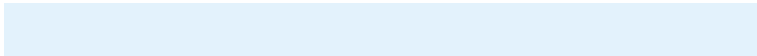
32.7871, 37.0963, 28.2576

Sweetspot

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



33.2868, 37.0978, 56.4458



81.2665, 87.1833, 105.0147



34.5816, 45.7812, 38.0913



17.4606, 18.7825, 22.9551



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.2868, 37.0978, 56.4458



54.8582, 61.7078, 101.4893



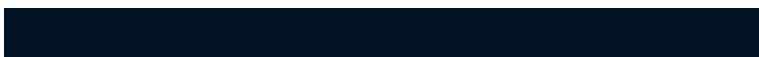
28.2372, 26.9987, 54.7626



10.0223, 10.7359, 12.8288



10.6681, 11.0927, 35.1354



0.5267, 0.6108, 1.5400

Inverse Universe

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



37.5268, 30.5674, 41.4600



63.9217, 48.7125, 69.2395



44.0417, 48.5011, 28.5139



10.3226, 10.1776, 11.7891



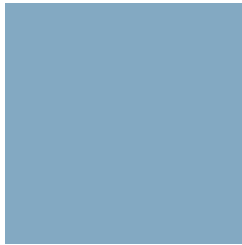
16.7807, 8.4020, 12.0233



0.7582, 0.3763, 0.6943

Previews

White Background



This preview shows how the XYZ color 33.2856, 37.0963, 56.4449 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 33.2856, 37.0963, 56.4449 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 33.2856, 37.0963, 56.4449

Background



This preview shows how black text looks on a background with the XYZ color 33.2856, 37.0963, 56.4449.



This preview shows how white text looks on a background with the XYZ color 33.2856, 37.0963,

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

33.2856, 37.0963, 56.4449

Protanopia

36.4037, 36.8857, 53.3451

Deuteranopia

37.6389, 36.9137, 57.3658



Tritanopia

32.2679, 37.2536, 50.8374

Trichromacy



Original Color

33.2856, 37.0963, 56.4449

Protanomaly

35.2535, 37.0614, 54.5857

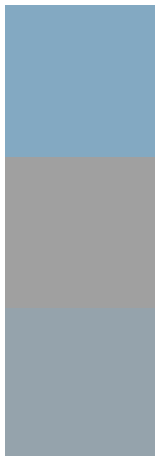
Deuteranomaly

35.7100, 36.7138, 56.8341

Tritanomaly

32.6577, 37.1261, 53.0218

Monochromacy



Original Color

33.2856, 37.0963, 56.4449

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.9380, 35.5625, 44.1580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2856, 37.0963, 56.4449 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(131, 169, 194)` looks like.

```
.text, #text, p{  
    color:rgb(131, 169, 194)  
}
```

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(131, 169, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 169, 194) }
```

Border

The CSS property to change the border of an element to XYZ 33.2856, 37.0963, 56.4449 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(131, 169, 194) }
```


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

```
.border{ border-color:rgb(131, 169, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 169, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 169, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 169, 194);  
box-shadow:4px 4px 4px 4px rgb(131, 169,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2856, 37.0963, 56.4449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 169, 194) }
```

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

```
.background{ background-color: rgb(131,  
169, 194) }
```

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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