

Converting Colors

XYZ(36.1223, 42.5039, 56.4682)

Have a look what the booklet for
XYZ(36.1223, 42.5039, 56.4682)
contains.

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Color

**XYZ(36.2320, 42.7038,
56.7851)**

Conversions

Conversions Part 1

Format	Color
Hex	85B7C1
RGB	133, 183, 193
RGB Percent	52%, 72%, 76%
CMY	0.4784, 0.2823, 0.2431
CMYK	0.31, 0.05, 0.00, 0.24
HSL	190°, 33%, 64%
HSV	190°, 31%, 76%
XYZ	36.2320, 42.7038, 56.7851
YIQ	169.1900, -33.0100, -7.4900

Conversions

Conversions Part 2

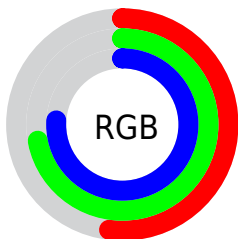
Format	Color
RYB	133, 160, 193
Decimal	8763329
CIELab	71.35, -13.98, -10.38
CIELCh	71, 17.414, 216.575
Yxy	42.7038, 0.2670, 0.3146
Android (android.graphics.Color)	4286953409 (0xFF85B7C1)
YUV	169.1900, 11.7383, -31.7386
Hunter-Lab	65.3481, -15.3907, -5.7771

Details

The XYZ color **36.2320, 42.7038, 56.7851** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.0490, 32.6762, 26.5984**, and the grayscale version is **37.7626, 39.7291, 43.2650**.

A 20% lighter version of the original color is **68.7044, 79.2639, 101.3009**, and **16.1096, 19.6080, 27.7466** is the 20% darker color. If you saturate the color by 10%, you get **32.8050, 39.9646, 56.4377**, and if you desaturate by 10%, it is **40.2366, 45.7654, 57.1657**.

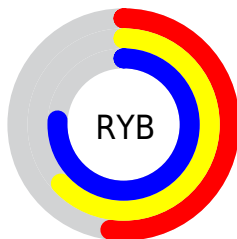
Distribution



Red (52%)

Green (72%)

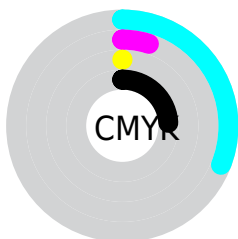
Blue (76%)



Red (52%)

Yellow (63%)

Blue (76%)

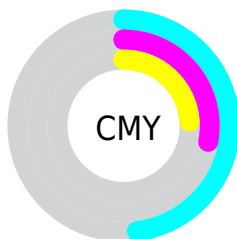


Cyan (31%)

Magenta (5%)

Yellow (0%)

Black (24%)



Cyan (48%)

Magenta (28%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2320, 42.7038, 56.7851 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 36.2320, 42.7038, 56.7851 by changing the saturation by 10% instead.

■ 36.2320, 42.7038,
56.7851

■ 36.2320, 42.7038,
56.7851

321.3870,
357.3922, 430.1147

■ 24.7844, 29.6528,
40.4245

■ 68.7115, 79.2637,
101.6488

■ 16.0443, 19.5752,
27.5534

■ 90.4741, 103.5414,
130.9889

■ 9.6466, 12.0866,
17.7532

■ 116.4058,
132.3300, 165.4927

■ 5.2257, 6.8027,
10.6053

146.8718,
166.0141, 205.5787

■ 2.4164, 3.3390,
5.6913

182.2376,
204.9779, 251.6653

■ 0.8533, 1.3112,
2.5926

222.8685,

■ 0.0000, 0.1498,

249.6060, 304.1711

0.8886

269.1299,
300.2826, 363.5148

■ 0.0000, 0.0000,
0.0000

■ 36.2320, 42.7038,
56.7851

■ 36.2320, 42.7038,
56.7851

■ 32.8050, 39.9646,
56.4377

■ 40.2366, 45.7654,
57.1657

■ 29.9209, 37.5266,
56.1192

■ 44.8434, 49.1590,
57.5779

■ 27.5473, 35.3739,
55.8288

■ 50.0803, 52.9002,
58.0240

■ 25.6465, 33.4871,
55.5647

■ 55.9721, 57.0020,
58.5052

■ 24.1757, 31.8439,
55.3251

■ 62.5424, 61.4766,
59.0226

■ 23.0837, 30.4177,
55.1073

■ 69.8136, 66.3358,
59.5773

■ 22.3429, 29.2845,
54.9277

■ 72.8207, 69.0201,
59.9369

■ 73.6005, 70.5797,
60.1969

■ 74.3962, 72.1712,
60.4621

Harmonies

Analogous

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



35.2473, 42.7038, 48.3686



36.2320, 42.7038, 56.7851



38.3908, 42.7038, 62.9220

Triad

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



36.2320, 42.7038, 56.7851



45.9785, 42.7038, 53.2082



39.9472, 42.7038, 32.2448

Complementary

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



36.2320, 42.7038, 56.7851



36.0490, 32.6762, 26.5984

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.



42.8689, 42.7038, 33.2126



36.2320, 42.7038, 56.7851



46.4442, 42.7038, 44.6747

Square

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



36.2320, 42.7038, 56.7851



44.0377, 42.7038, 60.6894



45.2813, 42.7038, 37.5335



37.3246, 42.7038, 34.7103

Rectangle

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



36.2320, 42.7038, 56.7851



40.2532, 42.7038, 64.5264



45.2813, 42.7038, 37.5335



40.9260, 42.7038, 32.1842

Sweetspot

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



36.2333, 42.7055, 56.7861



82.0495, 89.2975, 103.2720



33.6262, 45.0803, 32.5212



17.3207, 18.9539, 22.1309



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.



36.2333, 42.7055, 56.7861



60.7930, 73.2346, 101.2918



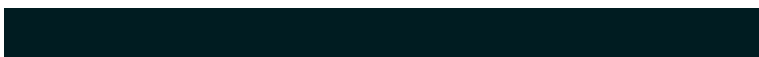
30.8550, 31.9490, 54.9933



10.2211, 11.1335, 12.8951



14.9108, 19.5781, 36.5497



0.6831, 0.9235, 1.5921

Inverse Universe

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



38.9281, 31.5325, 48.8363



66.4417, 50.5365, 84.4662



40.9793, 42.5369, 28.2419



10.4229, 10.2178, 12.3175



18.9222, 9.2587, 23.3004



0.8372, 0.4079, 1.1099

Previews

White Background



This preview shows how the XYZ color 36.2320, 42.7038, 56.7851 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 36.2320, 42.7038, 56.7851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

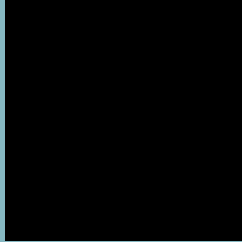
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.2320, 42.7038, 56.7851

Background



This preview shows how black text looks on a background with the XYZ color 36.2320, 42.7038, 56.7851.

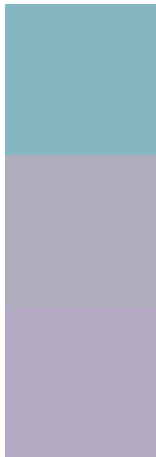


This preview shows how white text looks on a background with the XYZ color 36.2320, 42.7038,

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

36.2320, 42.7038, 56.7851

Protanopia

41.3688, 42.4737, 53.0316

Deuteranopia

43.3946, 42.5587, 58.1521



Tritanopia

36.6375, 42.5554, 59.1063

Trichromacy



Original Color

36.2320, 42.7038, 56.7851

Protanomaly

39.2055, 42.4893, 54.2790

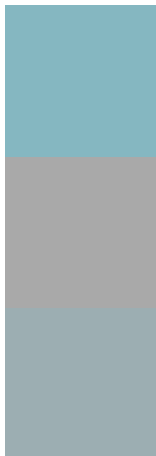
Deuteranomaly

40.4901, 42.4926, 57.6976

Tritanomaly

36.5233, 42.5098, 58.5048

Monochromacy



Original Color

36.2320, 42.7038, 56.7851

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.8822, 40.5544, 48.0034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2320, 42.7038, 56.7851 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(133, 183, 193)` looks like.

```
.text, #text, p{  
    color:rgb(133, 183, 193)  
}
```

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(133, 183, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 183, 193) }
```

Border

The CSS property to change the border of an element to XYZ 36.2320, 42.7038, 56.7851 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(133, 183, 193) }
```


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

```
.border{ border-color:rgb(133, 183, 193) }
```

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

Here you see how a box with a 4 pixel rgb(133, 183, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 183, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 183, 193);  
box-shadow:4px 4px 4px 4px rgb(133, 183,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2320, 42.7038, 56.7851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 183, 193) }
```

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

```
.background{ background-color: rgb(133,  
183, 193) }
```

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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