

Converting Colors

XYZ(36.3299, 42.3398, 56.8711)

Have a look what the booklet for
XYZ(36.3299, 42.3398, 56.8711)
contains.

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Color

**XYZ(36.3453, 42.4570,
56.7315)**

Conversions

Conversions Part 1

Format	Color
Hex	87B6C1
RGB	135, 182, 193
RGB Percent	53%, 71%, 76%
CMY	0.4706, 0.2863, 0.2431
CMYK	0.30, 0.06, 0.00, 0.24
HSL	191°, 32%, 64%
HSV	191°, 30%, 76%
XYZ	36.3453, 42.4570, 56.7315
YIQ	169.2010, -31.5430, -6.5430

Conversions

Conversions Part 2

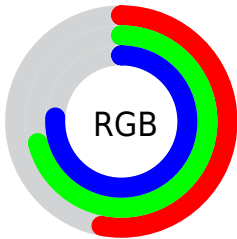
Format	Color
R_{YB}	135, 161, 193
Decimal	8894145
CIE _{Lab}	71.18, -12.88, -10.62
CIE _{LCh}	71, 16.692, 219.497
Yxy	42.4570, 0.2682, 0.3133
Android (android.graphics.Color)	4287084225 (0xFF87B6C1)
YUV	169.2010, 11.7329, -29.9943
Hunter-Lab	65.1590, -14.4621, -6.0102

Details

The XYZ color **36.3453, 42.4570, 56.7315** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.6451, 33.6451, 27.4856**, and the grayscale version is **37.7675, 39.7343, 43.2707**.

A 20% lighter version of the original color is **68.9086, 78.9358, 101.2268**, and **16.1512, 19.4330, 27.7106** is the 20% darker color. If you saturate the color by 10%, you get **32.7776, 39.5206, 56.3535**, and if you desaturate by 10%, it is **40.4980, 45.7261, 57.1444**.

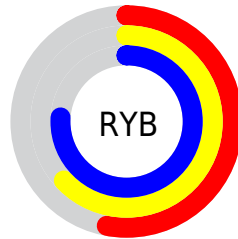
Distribution



Red (53%)

Green (71%)

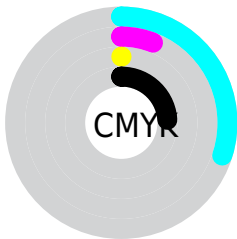
Blue (76%)



Red (53%)

Yellow (63%)

Blue (76%)

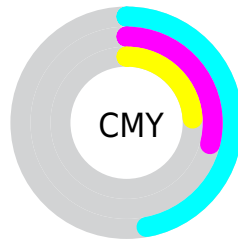


Cyan (30%)

Magenta (6%)

Yellow (0%)

Black (24%)



Cyan (47%)

Magenta (29%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3453, 42.4570, 56.7315 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 36.3453, 42.4570, 56.7315 by changing the saturation by 10% instead.

■ 36.3453, 42.4570,
56.7315

■ 36.3453, 42.4570,
56.7315

321.8723,
356.3739, 429.9080

■ 24.8723, 29.4593,
40.3818

■ 68.8851, 78.8908,
101.5697

■ 16.1102, 19.4285,
27.5203

■ 90.6826, 103.0957,
130.8954

■ 9.6935, 11.9803,
17.7285

■ 116.6524,
131.8051, 165.3834

■ 5.2569, 6.7303,
10.5878

147.1598,
165.4035, 205.4523

■ 2.4351, 3.2940,
5.6797

182.5701,
204.2751, 251.5207

■ 0.8626, 1.2871,
2.5857

223.2487,

■ 0.0000, 0.1312,

248.8045, 304.0070

0.8851

269.5610,
299.3759, 363.3300

■ 0.0000, 0.0000,
0.0000

■ 36.3453, 42.4570,
56.7315

■ 36.3453, 42.4570,
56.7315

■ 32.7776, 39.5206,
56.3535

■ 40.4980, 45.7261,
57.1444

■ 29.7606, 36.8959,
56.0059

■ 45.2602, 49.3378,
57.5905

■ 27.2620, 34.5672,
55.6881

■ 50.6597, 53.3074,
58.0721

■ 25.2447, 32.5149,
55.3983

■ 56.7211, 57.6480,
58.5904

■ 23.6663, 30.7171,
55.1344

■ 63.4680, 62.3719,
59.1467

■ 22.4768, 29.1478,
54.8942

■ 70.9227, 67.4909,
59.7418

■ 21.5820, 27.7627,
54.6740

■ 73.3296, 70.0379,
60.1066

■ 74.2301, 71.8390,
60.4068

■ 75.1514, 73.6815,
60.7138

Harmonies

Analogous

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



35.2795, 42.4570, 48.8162



36.3453, 42.4570, 56.7315



38.4998, 42.4570, 62.2052

Triad

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



36.3453, 42.4570, 56.7315



45.6032, 42.4570, 51.8350



39.4734, 42.4570, 32.6423

Complementary

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



36.3453, 42.4570, 56.7315



36.6451, 33.6451, 27.4856

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.



42.2670, 42.4570, 33.2522



36.3453, 42.4570, 56.7315



45.8934, 42.4570, 43.7338

Square

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



36.3453, 42.4570, 56.7315



43.8718, 42.4570, 59.1594



44.6474, 42.4570, 37.1090



37.0297, 42.4570, 35.3341

Rectangle

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



36.3453, 42.4570, 56.7315



40.3069, 42.4570, 63.4011



44.6474, 42.4570, 37.1090



40.4013, 42.4570, 32.4757

Sweetspot

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



36.3466, 42.4587, 56.7325



81.8922, 88.9831, 103.2196



34.2225, 45.3556, 33.9968



17.2817, 18.8759, 22.1179



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.



36.3466, 42.4587, 56.7325



60.8178, 72.5504, 101.1585



31.0697, 31.9050, 54.9735



10.2010, 11.0932, 12.8884



14.4096, 18.5758, 36.3826



0.6654, 0.8883, 1.5863

Inverse Universe

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



39.1009, 32.0440, 48.3820



66.6334, 51.2990, 83.3611



41.6251, 43.6051, 29.1456



10.4127, 10.2137, 12.2640



18.6693, 9.1575, 21.9684



0.8283, 0.4043, 1.0631

Previews

White Background



This preview shows how the XYZ color 36.3453, 42.4570, 56.7315 looks on a white background.

Color Contrast Check

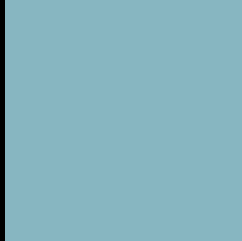
Large Text (above 18pt) WCAG AA × Fail

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 36.3453, 42.4570, 56.7315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

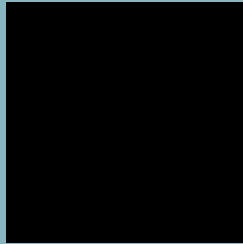
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.3453, 42.4570, 56.7315

Background



This preview shows how black text looks on a background with the XYZ color 36.3453, 42.4570, 56.7315.

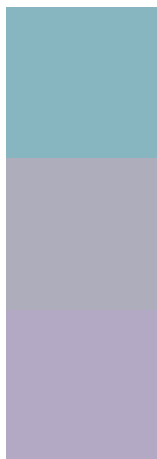


This preview shows how white text looks on a background with the XYZ color 36.3453, 42.4570,

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

36.3453, 42.4570, 56.7315

Protanopia

41.1468, 42.3592, 53.0212

Deuteranopia

42.9742, 42.0648, 58.0789



Tritanopia

36.8451, 42.6757, 58.5198

Trichromacy



Original Color

36.3453, 42.4570, 56.7315

Protanomaly

39.0087, 42.0957, 54.2134

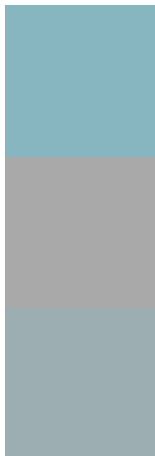
Deuteranomaly

40.2962, 42.1047, 57.6329

Tritanomaly

36.7316, 42.6303, 57.9223

Monochromacy



Original Color

36.3453, 42.4570, 56.7315

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.0766, 40.6546, 48.0124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3453, 42.4570, 56.7315 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(135, 182, 193)` looks like.

```
.text, #text, p{  
    color:rgb(135, 182, 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(135, 182, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 182, 193) }
```

Border

The CSS property to change the border of an element to XYZ 36.3453, 42.4570, 56.7315 is called "border". The border property can be set on classes, ids or directly on the HTML element.

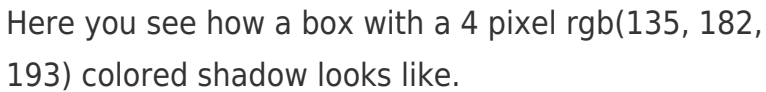
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 182, 193) }
```


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

```
.border{ border-color:rgb(135, 182, 193) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 182, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 182, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 182, 193);  
box-shadow:4px 4px 4px 4px rgb(135, 182,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3453, 42.4570, 56.7315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 182, 193) }
```

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

```
.background{ background-color: rgb(135,  
182, 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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