

Converting Colors

XYZ(56.2766, 70.1957, 60.8232)

Have a look what the booklet for
XYZ(56.2766, 70.1957, 60.8232)
contains.

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Color

**XYZ(56.3330, 70.3492,
61.0618)**

Conversions

Conversions Part 1

Format	Color
Hex	B1E7C1
RGB	177, 231, 193
RGB Percent	69%, 91%, 76%
CMY	0.3059, 0.0941, 0.2431
CMYK	0.23, 0.00, 0.16, 0.09
HSL	138°, 53%, 80%
HSV	138°, 23%, 91%
XYZ	56.3330, 70.3492, 61.0618
YIQ	210.5220, -19.9860, -23.2660

Conversions

Conversions Part 2

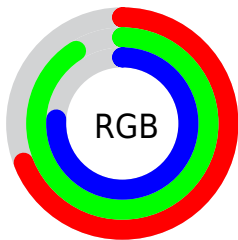
Format	Color
RYB	177, 219, 231
Decimal	11659201
CIELab	87.17, -24.69, 12.95
CIELCh	87, 27.881, 152.334
Yxy	70.3492, 0.3001, 0.3747
Android (android.graphics.Color)	4289849281 (0xFFB1E7C1)
YUV	210.5220, -8.6383, -29.3988
Hunter-Lab	83.8744, -26.8934, 15.5481

Details

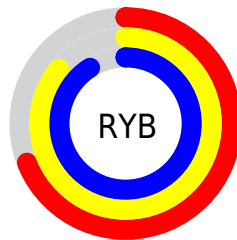
The XYZ color **56.3330, 70.3492, 61.0618** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.9453, 53.3411, 71.3766**, and the grayscale version is **61.6678, 64.8793, 70.6535**.

A 20% lighter version of the original color is **86.4632, 95.6832, 103.5341**, and **28.1586, 36.7350, 30.0325** is the 20% darker color. If you saturate the color by 10%, you get **49.7953, 67.1790, 51.8046**, and if you desaturate by 10%, it is **63.9645, 74.0642, 71.4138**.

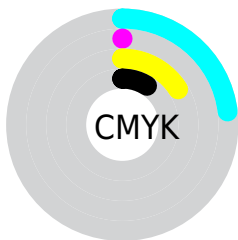
Distribution



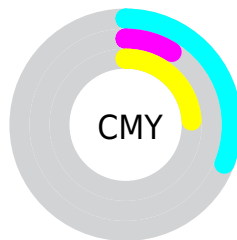
- Red (69%)
- Green (91%)
- Blue (76%)



- Red (69%)
- Yellow (86%)
- Blue (91%)



- Cyan (23%)
- Magenta (0%)
- Yellow (16%)
- Black (9%)





- Cyan (31%)
- Magenta (9%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.3330, 70.3492, 61.0618 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 56.3330, 70.3492, 61.0618 by changing the saturation by 10% instead.


 56.3330, 70.3492,
61.0618

 56.3330, 70.3492,
61.0618


400.9999,
461.7752, 446.4134

 40.7080, 51.8113,
43.8442


 98.6283, 119.7066,
107.9268

 28.2777, 36.8547,
30.2117

126.0293,
151.2949, 138.4113

 18.6766, 25.0950,
19.7459


158.0864,
188.0020, 174.1551

 11.5394, 16.1478,
12.0283

195.1648,
230.2125, 215.5768

 6.5009, 9.6288,
6.6401

237.6301,
278.3106, 263.0949

 3.1955, 5.1536,
3.1631


285.8474,


 1.2580, 2.3376,


332.6809, 317.1281


1.1785


340.1823,
393.7076, 378.0947


 0.1514, 0.7935,
0.0000


 0.0000, 0.0000,
0.0000


 56.3330, 70.3492,
61.0618

 56.3330, 70.3492,
61.0618


 49.7953, 67.1790,
51.8046


 63.9645, 74.0642,
71.4138


 44.2946, 64.5191,
43.6016

 72.7320, 78.3390,
82.8900

 39.7771, 62.3447,
36.4165

 82.6822, 83.1992,
95.5248

 36.1821, 60.6251,
30.2091

 87.8673, 85.6345,
106.5058

■ 33.4417, 59.3262,
24.9366

■ 31.4781, 58.4089,
20.5527

■ 30.1981, 57.8262,
17.0071

■ 29.6342, 57.5773,
15.0918

Harmonies

Analogous

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



60.3611, 70.3492, 50.0170



56.3330, 70.3492, 61.0618



55.0692, 70.3492, 78.0746

Triad

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



56.3330, 70.3492, 61.0618



67.3783, 70.3492, 118.5181



78.0644, 70.3492, 58.9033

Complementary

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



56.3330, 70.3492, 61.0618



60.9453, 53.3411, 71.3766

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.



80.2348, 70.3492, 75.1407



56.3330, 70.3492, 61.0618



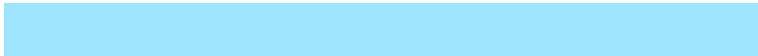
73.8197, 70.3492, 111.2410

Square

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



56.3330, 70.3492, 61.0618



61.1936, 70.3492, 113.1328



78.6337, 70.3492, 94.5692



72.8760, 70.3492, 48.9210

Rectangle

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



56.3330, 70.3492, 61.0618



55.8931, 70.3492, 91.1173



78.6337, 70.3492, 94.5692



79.1858, 70.3492, 63.7099

Sweetspot

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



56.3349, 70.3522, 61.0634



86.8282, 95.9876, 98.3014



64.7447, 74.8828, 52.6371



18.4404, 20.4748, 20.8521



0.0000, 0.0000, 0.0000



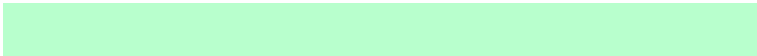
20.3446, 21.4041, 23.3091

Same Dimension

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



56.3349, 70.3522, 61.0634



66.4213, 86.0570, 70.7125



59.5353, 71.6323, 77.9165



14.3641, 16.1591, 16.1824



16.6601, 32.2961, 8.7103



1.2708, 2.4025, 0.8528

Inverse Universe

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



60.9453, 53.3411, 71.3766



73.1265, 61.3066, 85.7045



57.8320, 52.0958, 54.9822



14.8036, 14.5386, 17.1662



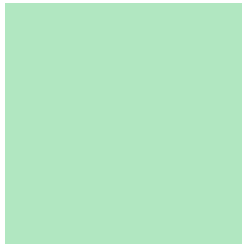
22.2160, 11.0206, 20.5642



1.6820, 0.8305, 1.7319

Previews

White Background



This preview shows how the XYZ color 56.3330, 70.3492, 61.0618 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 56.3330, 70.3492, 61.0618 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

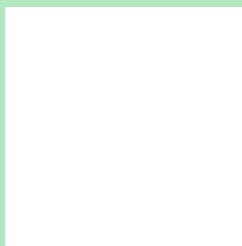
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.3330, 70.3492, 61.0618

Background



This preview shows how black text looks on a background with the XYZ color 56.3330, 70.3492, 61.0618.

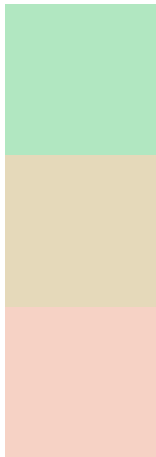


This preview shows how white text looks on a background with the XYZ color 56.3330, 70.3492,

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

56.3330, 70.3492, 61.0618

Protanopia

65.9889, 69.8289, 56.4547

Deuteranopia

71.1307, 69.7172, 62.5311



Tritanopia

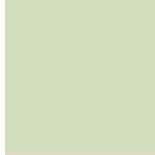
62.9324, 70.1612, 94.2300

Trichromacy



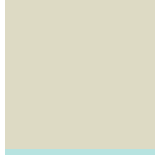
Original Color

56.3330, 70.3492, 61.0618



Protanomaly

61.8849, 69.6183, 58.3201



Deuteranomaly

64.8540, 69.5005, 62.2213



Tritanomaly

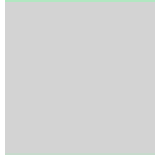
60.4521, 70.3873, 80.9209

Monochromacy



Original Color

56.3330, 70.3492, 61.0618



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

59.5237, 66.6446, 66.8532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3330, 70.3492, 61.0618 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(177, 231, 193)` looks like.

```
.text, #text, p{  
    color:rgb(177, 231, 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(177, 231, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 231, 193) }
```

Border

The CSS property to change the border of an element to XYZ 56.3330, 70.3492, 61.0618 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(177, 231, 193) }
```


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

```
.border{ border-color:rgb(177, 231, 193) }
```

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

Here you see how a box with a 4 pixel rgb(177, 231, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 231, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 231, 193);  
box-shadow:4px 4px 4px 4px rgb(177, 231,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3330, 70.3492, 61.0618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 231, 193) }
```

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

```
.background{ background-color: rgb(177,  
231, 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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