

Converting Colors

XYZ(35.9961, 56.4018, 33.4155)

Have a look what the booklet for
XYZ(35.9961, 56.4018, 33.4155)
contains.

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Color

**XYZ(35.9961, 56.4018,
33.4155)**

Conversions

Conversions Part 1

Format	Color
Hex	66DD8B
RGB	102, 221, 139
RGB Percent	40%, 87%, 55%
CMY	0.6000, 0.1333, 0.4549
CMYK	0.54, 0.00, 0.37, 0.13
HSL	139°, 64%, 63%
HSV	139°, 54%, 87%
XYZ	35.9961, 56.4018, 33.4155
YIQ	176.0710, -44.6020, -50.7300

Conversions

Conversions Part 2

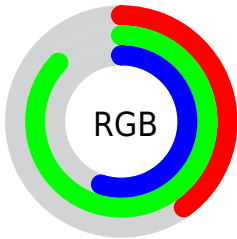
Format	Color
RYB	102, 193, 221
Decimal	6741387
CIELab	79.84, -51.36, 30.34
CIELCh	80, 59.653, 149.429
Yxy	56.4018, 0.2861, 0.4483
Android (android.graphics.Color)	4284931467 (0xFF66DD8B)
YUV	176.0710, -18.2760, -64.9603
Hunter-Lab	75.1011, -45.8716, 26.1903

Details

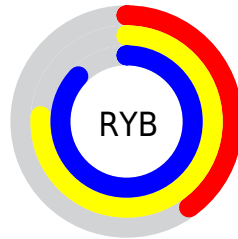
The XYZ color **35.9961, 56.4018, 33.4155** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **43.2236, 28.3366, 48.5405**, and the grayscale version is **41.4140, 43.5707, 47.4485**.

A 20% lighter version of the original color is **60.0836, 82.9473, 63.2958**, and **15.9097, 27.9722, 13.7932** is the 20% darker color. If you saturate the color by 10%, you get **32.7812, 54.8658, 27.8562**, and if you desaturate by 10%, it is **40.0364, 58.3486, 39.8251**.

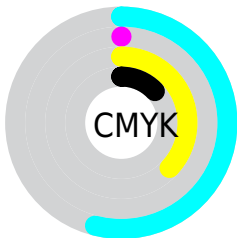
Distribution



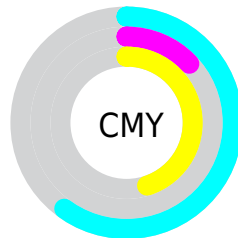
- Red (40%)
- Green (87%)
- Blue (55%)



- Red (40%)
- Yellow (76%)
- Blue (87%)



- Cyan (54%)
- Magenta (0%)
- Yellow (37%)
- Black (13%)





- Cyan (60%)
- Magenta (13%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9961, 56.4018, 33.4155 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 35.9961, 56.4018, 33.4155 by changing the saturation by 10% instead.


 35.9961, 56.4018,
33.4155


 35.9961, 56.4018,
33.4155


320.3750,
411.2040, 332.2071


 24.6013, 40.5252,
22.1712


 68.3500, 99.5918,
66.1472


 15.9074, 27.9482,
13.7832

 90.0397, 127.6740,
88.4716

 9.5491, 18.2866,
7.8330


 115.8918,
160.5934, 115.3265

 5.1610, 11.1560,
3.9021

 146.2716,
198.7346, 147.1305

 2.3777, 6.1718,
1.5718

181.5445,
242.4818, 184.3019

 0.8340, 2.9499,
0.2706

222.0758,

 0.0000, 1.1056,

292.2195, 227.2595

0.0000

268.2308,
348.3321, 276.4217

■ 0.0000, 0.0000,
0.0000

■ 35.9961, 56.4018,
33.4155

■ 35.9961, 56.4018,
33.4155

■ 32.7812, 54.8658,
27.8562

■ 40.0364, 58.3486,
39.8251

■ 30.3268, 53.7030,
23.1071

■ 44.9523, 60.7265,
47.1150

■ 28.5645, 52.8807,
19.1309


■ 50.7946, 63.5628,
55.3186


■ 27.4108, 52.3566,
15.8852


■ 57.6092, 66.8805,
64.4660

■ 26.9229, 52.1413,
14.2294

■ 65.4388, 70.7009,
74.5863

 74.3235, 75.0442,
85.7072

 83.6714, 79.6047,
97.8258

 85.1476, 80.1951,
105.5992

Harmonies

Analogous

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



42.9882, 56.4018, 19.7892



35.9961, 56.4018, 33.4155



33.5779, 56.4018, 60.7512

Triad

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



35.9961, 56.4018, 33.4155



53.3770, 56.4018, 154.8143



76.4853, 56.4018, 34.1869

Complementary

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



35.9961, 56.4018, 33.4155



43.2236, 28.3366, 48.5405

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.



80.3447, 56.4018, 62.0775



35.9961, 56.4018, 33.4155



65.8474, 56.4018, 139.4619

Square

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



35.9961, 56.4018, 33.4155



42.6429, 56.4018, 138.3193



76.1922, 56.4018, 101.8304



66.3085, 56.4018, 20.1025

Rectangle

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



35.9961, 56.4018, 33.4155



34.5545, 56.4018, 86.2981



76.1922, 56.4018, 101.8304



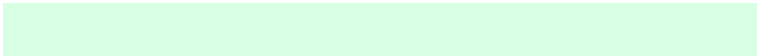
78.6267, 56.4018, 41.8390

Sweetspot

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



35.9975, 56.4041, 33.4168



77.3993, 91.3860, 86.1503



48.3367, 63.0265, 22.1884



16.1379, 19.3515, 17.8680



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.



35.9975, 56.4041, 33.4168



44.6957, 75.5730, 37.3472



41.4386, 58.5805, 62.0688



13.0524, 14.6726, 14.7391



15.6842, 30.3063, 8.5026



1.0542, 1.9786, 0.7515

Inverse Universe

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



43.2236, 28.3366, 48.5405



55.6681, 32.7804, 60.1835



38.3247, 26.3770, 22.7430



13.4331, 13.2023, 15.5417



20.6812, 10.2735, 18.4990



1.3779, 0.6808, 1.3990

Previews

White Background



This preview shows how the XYZ color 35.9961, 56.4018, 33.4155 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 35.9961, 56.4018, 33.4155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

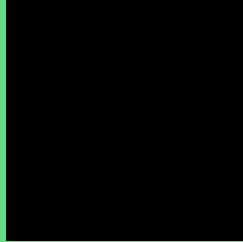
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.9961, 56.4018, 33.4155

Background



This preview shows how black text looks on a background with the XYZ color 35.9961, 56.4018, 33.4155.



This preview shows how white text looks on a background with the XYZ color 35.9961, 56.4018,

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

35.9961, 56.4018, 33.4155

Protanopia

51.1429, 55.2110, 28.7301

Deuteranopia

56.4502, 55.1976, 34.8731



Tritanopia

45.3692, 55.9992, 81.0908

Trichromacy



Original Color

35.9961, 56.4018, 33.4155



Protanomaly

43.2985, 54.2403, 30.3777



Deuteranomaly

45.6198, 53.6060, 33.9292



Tritanomaly

41.2330, 55.8152, 60.2300

Monochromacy



Original Color

35.9961, 56.4018, 33.4155



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

37.8549, 46.7332, 41.6756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9961, 56.4018, 33.4155 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(102, 221, 139)` looks like.

```
.text, #text, p{  
    color:rgb(102, 221, 139)  
}
```

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(102, 221, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 221, 139) }
```

Border

The CSS property to change the border of an element to XYZ 35.9961, 56.4018, 33.4155 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(102, 221, 139) }
```


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

```
.border{ border-color:rgb(102, 221, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 221, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 221, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 221, 139); box-shadow:4px 4px 4px 4px rgb(102, 221, 139) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9961, 56.4018, 33.4155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 221, 139) }
```

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

```
.background{ background-color: rgb(102,  
221, 139) }
```

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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