

Converting Colors

XYZ(33.3040, 56.0751, 21.1249)

Have a look what the booklet for
XYZ(33.3040, 56.0751, 21.1249)
contains.

XYZ(33.3040, 56.0751, 21.1249)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.3040, 56.0751,
21.1249)**

Conversions

Conversions Part 1

Format	Color
Hex	5EDF64
RGB	94, 223, 100
RGB Percent	37%, 87%, 39%
CMY	0.6314, 0.1255, 0.6078
CMYK	0.58, 0.00, 0.55, 0.13
HSL	123°, 67%, 62%
HSV	123°, 58%, 87%
XYZ	33.3040, 56.0751, 21.1249
YIQ	170.4070, -37.4010, -65.6010

Conversions

Conversions Part 2

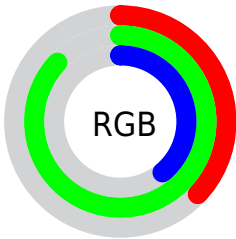
Format	Color
RYB	94, 217, 223
Decimal	6217572
CIELab	79.66, -59.82, 49.14
CIELCh	80, 77.414, 140.594
Yxy	56.0751, 0.3014, 0.5074
Android (android.graphics.Color)	4284407652 (0xFF5EDF64)
YUV	170.4070, -34.7107, -67.0089
Hunter-Lab	74.8833, -51.6588, 35.6924

Details

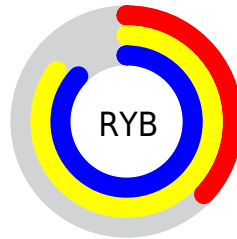
The XYZ color **33.3040, 56.0751, 21.1249** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **46.9600, 28.7040, 68.7118**, and the grayscale version is **38.5943, 40.6042, 44.2180**.

A 20% lighter version of the original color is **55.1103, 80.8217, 43.2674**, and **14.4319, 27.8943, 7.3128** is the 20% darker color. If you saturate the color by 10%, you get **30.4408, 54.7045, 16.3024**, and if you desaturate by 10%, it is **37.0989, 57.8982, 27.3951**.

Distribution



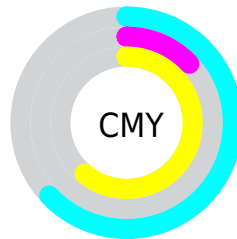
- Red (37%)
- Green (87%)
- Blue (39%)



- Red (37%)
- Yellow (85%)
- Blue (87%)



- Cyan (58%)
- Magenta (0%)
- Yellow (55%)
- Black (13%)





- Cyan (63%)
- Magenta (13%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3040, 56.0751, 21.1249 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 33.3040, 56.0751, 21.1249 by changing the saturation by 10% instead.


 33.3040, 56.0751,
21.1249


 33.3040, 56.0751,
21.1249


308.6582,
409.9745, 270.7443


 22.5198, 40.2631,
13.0232


 64.2014, 99.1144,
46.1788


 14.3581, 27.7438,
7.3136


 85.0452, 127.1105,
63.9681

 8.4535, 18.1326,
3.5776


 109.9730,
159.9367, 85.8236

 4.4407, 11.0452,
1.3966

 139.3501,
197.9776, 112.1640

 1.9543, 6.0973,
0.1391

173.5417,
241.6174, 143.4077

 0.6081, 2.9043,
0.0000

212.9134,

 0.0000, 1.0820,

291.2405, 179.9733

0.0000

257.8304,
347.2314, 222.2793

■ 0.0000, 0.0000,
0.0000

■ 33.3040, 56.0751,
21.1249

■ 33.3040, 56.0751,
21.1249

■ 30.4408, 54.7045,
16.3024

■ 37.0989, 57.8982,
27.3951

■ 28.4253, 53.7407,
12.8086

■ 41.8921, 60.2012,
35.2120

■ 27.1651, 53.1406,
10.5118

■ 47.7490, 63.0172,
44.6703

■ 26.5347, 52.8429,
9.2513

■ 54.7281, 66.3747,
55.8562

■ 26.4456, 52.8003,
9.0957

■ 62.8837, 70.3000,
68.8497

■ 72.2666, 74.8175,
83.7257

■ 82.9246, 79.9504,
100.5552

■ 85.6788, 81.2575,
105.7763

Harmonies

Analogous

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



43.4200, 56.0751, 10.7575



33.3040, 56.0751, 21.1249



28.8279, 56.0751, 48.0556

Triad

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



33.3040, 56.0751, 21.1249



48.5405, 56.0751, 191.2192



86.6285, 56.0751, 35.5324

Complementary

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



33.3040, 56.0751, 21.1249



46.9600, 28.7040, 68.7118

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.



88.7395, 56.0751, 76.2126



33.3040, 56.0751, 21.1249



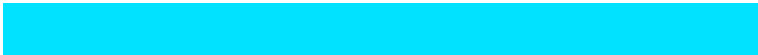
64.5701, 56.0751, 182.0819

Square

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



33.3040, 56.0751, 21.1249



36.4215, 56.0751, 154.4944



80.0216, 56.0751, 133.5136



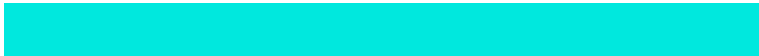
74.7168, 56.0751, 15.8052

Rectangle

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



33.3040, 56.0751, 21.1249



28.8997, 56.0751, 78.2666



80.0216, 56.0751, 133.5136



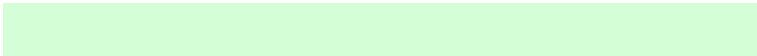
88.5877, 56.0751, 46.5741

Sweetspot

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



33.3054, 56.0774, 21.1262



74.9057, 90.3031, 76.8780



57.5336, 68.5999, 20.7986



15.5912, 19.1160, 15.7491



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.



33.3054, 56.0774, 21.1262



40.7186, 73.8764, 21.1812



37.5981, 57.7945, 43.7315



13.5545, 15.3475, 14.6893



15.5604, 31.0490, 5.4081



1.0878, 2.1558, 0.4235

Inverse Universe

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



46.9600, 28.7040, 68.7118



60.7992, 33.5630, 91.1180



40.2851, 26.0340, 33.5621



14.2660, 13.9240, 17.1711



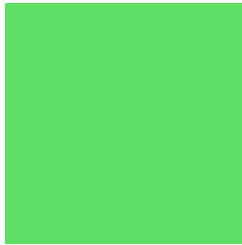
24.9390, 12.0426, 37.9400



1.7373, 0.8382, 2.6752

Previews

White Background



This preview shows how the XYZ color 33.3040, 56.0751, 21.1249 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 33.3040, 56.0751, 21.1249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

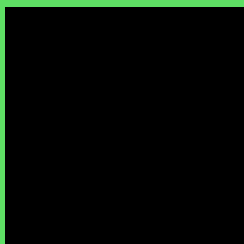
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3040, 56.0751, 21.1249

Background



This preview shows how black text looks on a background with the XYZ color 33.3040, 56.0751, 21.1249.

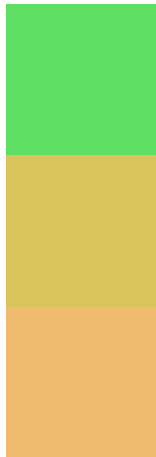


This preview shows how white text looks on a background with the XYZ color 33.3040, 56.0751,

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

33.3040, 56.0751, 21.1249

Protanopia

50.2435, 54.9869, 17.8629

Deuteranopia

56.1814, 55.0172, 22.4101



Tritanopia

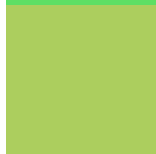
45.2239, 55.9243, 81.0840

Trichromacy



Original Color

33.3040, 56.0751, 21.1249



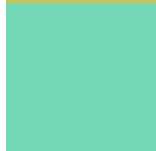
Protanomaly

41.1049, 53.7214, 18.7925



Deuteranomaly

43.5055, 52.7883, 21.5318



Tritanomaly

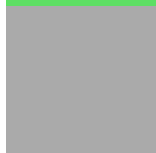
39.4510, 55.4478, 52.3393

Monochromacy



Original Color

33.3040, 56.0751, 21.1249



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

34.4638, 44.1903, 33.5012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3040, 56.0751, 21.1249 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(94, 223, 100)` looks like.

```
.text, #text, p{  
    color:rgb(94, 223, 100)  
}
```

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(94, 223, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 223, 100) }
```

Border

The CSS property to change the border of an element to XYZ 33.3040, 56.0751, 21.1249 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(94, 223, 100) }
```


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

```
.border{ border-color:rgb(94, 223, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 223, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 223, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 223, 100);  
box-shadow:4px 4px 4px 4px rgb(94, 223,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3040, 56.0751, 21.1249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 223, 100) }
```

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

```
.background{ background-color: rgb(94, 223,  
100) }
```

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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