

Converting Colors

XYZ(21.3586, 39.2099, 10.9721)

Have a look what the booklet for
XYZ(21.3586, 39.2099, 10.9721)
contains.

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Color

**XYZ(21.3556, 39.2178,
11.0017)**

Conversions

Conversions Part 1

Format	Color
Hex	34C13E
RGB	52, 193, 62
RGB Percent	20%, 76%, 24%
CMY	0.7961, 0.2431, 0.7568
CMYK	0.73, 0.00, 0.68, 0.24
HSL	124°, 58%, 48%
HSV	124°, 73%, 76%
XYZ	21.3556, 39.2178, 11.0017
YIQ	135.9070, -41.9850, -70.6330

Conversions

Conversions Part 2

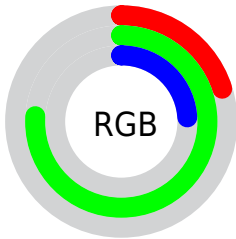
Format	Color
RYB	52, 184, 193
Decimal	3457342
CIELab	68.91, -62.02, 53.24
CIELCh	69, 81.737, 139.354
Yxy	39.2178, 0.2984, 0.5479
Android (android.graphics.Color)	4281647422 (0xFF34C13E)
YUV	135.9070, -36.4362, -73.5864
Hunter-Lab	62.6241, -48.7215, 33.4209

Details

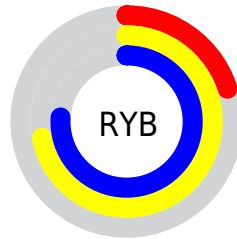
The XYZ color **21.3556, 39.2178, 11.0017** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **31.7683, 17.2127, 46.4469**, and the grayscale version is **23.5111, 24.7355, 26.9369**.

A 20% lighter version of the original color is **45.2573, 74.1773, 28.4553**, and **9.0885, 18.1770, 3.0295** is the 20% darker color. If you saturate the color by 10%, you get **20.1444, 38.6423, 8.7871**, and if you desaturate by 10%, it is **23.1369, 40.0707, 14.0919**.

Distribution



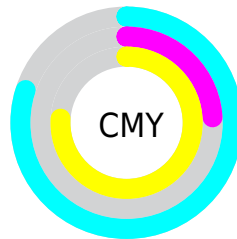
- Red (20%)
- Green (76%)
- Blue (24%)



- Red (20%)
- Yellow (72%)
- Blue (76%)



- Cyan (73%)
- Magenta (0%)
- Yellow (68%)
- Black (24%)



- Cyan (80%)
- Magenta (24%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3556, 39.2178, 11.0017 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 21.3556, 39.2178, 11.0017 by changing the saturation by 10% instead.

■ 21.3556, 39.2178,
11.0017

■ 21.3556, 39.2178,
11.0017

251.8584,
342.8156, 208.4171

■ 13.4981, 26.9292,
5.9538

■ 45.1654, 73.9709,
28.3000

■ 7.8518, 17.5201,
2.7487

■ 61.8485, 97.2042,
41.3875

■ 4.0513, 10.6060,
0.9678

■ 82.2041, 124.8546,
57.9919

■ 1.7312, 5.8025,
0.0000

■ 106.5977,
157.3064, 78.5318

■ 0.4757, 2.7254,
0.0000

■ 135.3946,
194.9440, 103.4258

■ 0.0000, 0.9901,
0.0000

168.9601,

■ 0.0000, 0.0000,

238.1518, 133.0922

0.0000

207.6596,
287.3142, 167.9498

■ 21.3556, 39.2178,
11.0017

■ 21.3556, 39.2178,
11.0017

■ 20.1444, 38.6423,
8.7871

■ 23.1369, 40.0707,
14.0919

■ 19.4307, 38.3054,
7.3552

■ 25.5441, 41.2247,
18.1331

■ 19.1480, 38.1724,
6.7635

■ 28.6294, 42.7064,
23.1954

■ 32.4387, 44.5381,
29.3419

■ 37.0140, 46.7401,
36.6304

■ 42.3939, 49.3314,
45.1146

■ 48.6147, 52.3294,
54.8448

■ 55.7103, 55.7506,
65.8685

■ 63.7126, 59.6106,
78.2307

Harmonies

Analogous

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



29.5960, 39.2178, 4.5252



21.3556, 39.2178, 11.0017



17.7239, 39.2178, 30.8045

Triad

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



21.3556, 39.2178, 11.0017



32.8495, 39.2178, 158.6222



66.1521, 39.2178, 23.1130

Complementary

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



21.3556, 39.2178, 11.0017



31.7683, 17.2127, 46.4469

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.



67.6013, 39.2178, 57.3242



21.3556, 39.2178, 11.0017



46.1799, 39.2178, 151.9748

Square

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



21.3556, 39.2178, 11.0017



23.2593, 39.2178, 123.2085



59.6172, 39.2178, 108.2893



56.0244, 39.2178, 8.1758

Rectangle

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



21.3556, 39.2178, 11.0017



17.6644, 39.2178, 55.4143



59.6172, 39.2178, 108.2893



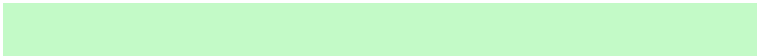
67.7468, 39.2178, 32.0989

Sweetspot

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



21.3565, 39.2194, 11.0026



66.9283, 84.0161, 66.6144



39.3629, 48.5309, 10.5415



13.8424, 17.7758, 13.4728



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.



21.3565, 39.2194, 11.0026



35.1747, 68.7790, 13.9646



24.6450, 40.5348, 28.3197



9.9728, 11.2702, 10.8600



12.7465, 25.3927, 4.5583



0.5609, 1.1012, 0.2505

Inverse Universe

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



31.7683, 17.2127, 46.4469



54.7463, 27.1910, 80.4279



26.2075, 14.9884, 17.1644



10.4655, 10.2348, 12.5416



20.0724, 9.7187, 29.3569



0.8767, 0.4237, 1.3180

Previews

White Background



This preview shows how the XYZ color 21.3556, 39.2178, 11.0017 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 21.3556, 39.2178, 11.0017 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 21.3556, 39.2178, 11.0017

Background



This preview shows how black text looks on a background with the XYZ color 21.3556, 39.2178, 11.0017.



This preview shows how white text looks on a background with the XYZ color 21.3556, 39.2178,

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

21.3556, 39.2178, 11.0017

Protanopia

35.0018, 38.4781, 9.1966

Deuteranopia

39.3663, 38.5561, 11.8458



Tritanopia

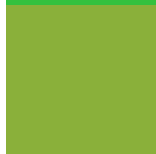
30.5852, 38.8580, 57.5181

Trichromacy



Original Color

21.3556, 39.2178, 11.0017



Protanomaly

26.7703, 36.7594, 9.6873



Deuteranomaly

28.4309, 36.1473, 11.2730



Tritanomaly

25.6760, 38.3823, 33.6590

Monochromacy



Original Color

21.3556, 39.2178, 11.0017



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

20.6430, 28.2213, 18.8273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3556, 39.2178, 11.0017 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(52, 193, 62)` looks like.

```
.text, #text, p{  
    color:rgb(52, 193, 62)  
}
```

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(52, 193, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 193, 62) }
```

Border

The CSS property to change the border of an element to XYZ 21.3556, 39.2178, 11.0017 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(52, 193, 62) }
```


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

```
.border{ border-color:rgb(52, 193, 62) }
```

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

Here you see how a box with a 4 pixel rgb(52, 193, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 193, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 193, 62);  
box-shadow:4px 4px 4px 4px rgb(52, 193,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3556, 39.2178, 11.0017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 193, 62) }
```

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

```
.background{ background-color: rgb(52, 193,  
62) }
```

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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