

Converting Colors

XYZ(34.6271, 53.2395, 17.1440)

Have a look what the booklet for
XYZ(34.6271, 53.2395, 17.1440)
contains.

XYZ(34.7395, 53.4161, 17.0737)	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(34.7395, 53.4161,
17.0737)**

Conversions

Conversions Part 1

Format	Color
Hex	81D655
RGB	129, 214, 85
RGB Percent	51%, 84%, 33%
CMY	0.4941, 0.1608, 0.6667
CMYK	0.40, 0.00, 0.60, 0.16
HSL	100°, 61%, 59%
HSV	100°, 60%, 84%
XYZ	34.7395, 53.4161, 17.0737
YIQ	173.8790, -9.2510, -58.1390

Conversions

Conversions Part 2

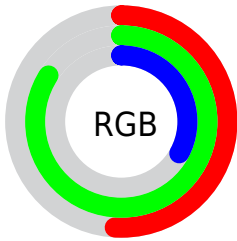
Format	Color
RYB	85, 214, 170
Decimal	8509013
CIELab	78.12, -48.20, 54.43
CIELCh	78, 72.700, 131.528
Yxy	53.4161, 0.3301, 0.5076
Android (android.graphics.Color)	4286699093 (0xFF81D655)
YUV	173.8790, -43.8173, -39.3589
Hunter-Lab	73.0863, -43.0562, 37.3097

Details

The XYZ color **34.7395, 53.4161, 17.0737** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **31.9663, 19.8998, 65.7775**, and the grayscale version is **40.3925, 42.4961, 46.2782**.

A 20% lighter version of the original color is **60.6699, 83.8232, 37.4080**, and **15.2924, 26.2627, 5.4256** is the 20% darker color. If you saturate the color by 10%, you get **32.0187, 52.0989, 13.1601**, and if you desaturate by 10%, it is **38.0156, 54.9931, 22.3572**.

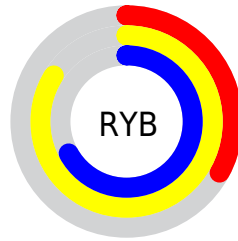
Distribution



Red (51%)

Green (84%)

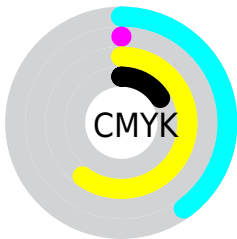
Blue (33%)



Red (33%)

Yellow (84%)

Blue (67%)

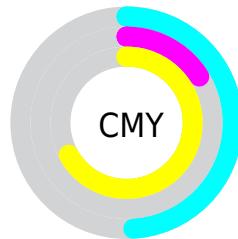


Cyan (40%)

Magenta (0%)

Yellow (60%)

Black (16%)



Cyan (49%)

Magenta (16%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7395, 53.4161, 17.0737 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 34.7395, 53.4161, 17.0737 by changing the saturation by 10% instead.

■ 34.7395, 53.4161,
17.0737

■ 34.7395, 53.4161,
17.0737

314.9452,
399.8795, 247.6550

■ 23.6279, 38.1350,
10.1245

■ 66.4187, 95.2164,
39.2448

■ 15.1810, 26.0875,
5.3749

■ 87.7170, 122.5044,
55.3039

■ 9.0337, 16.8891,
2.4063

■ 113.1415,
154.5635, 75.2367

■ 4.8204, 10.1555,
0.7899

■ 143.0576,
191.7781, 99.4617

■ 2.1760, 5.5022,
0.0000

177.8307,
234.5326, 128.3975

■ 0.7300, 2.5448,
0.0000

217.8261,

■ 0.0000, 0.8990,

283.2114, 162.4626

0.0000

263.4091,
338.1989, 202.0756

■ 0.0000, 0.0000,
0.0000

■ 34.7395, 53.4161,
17.0737

■ 34.7395, 53.4161,
17.0737

■ 32.0187, 52.0989,
13.1601

■ 38.0156, 54.9931,
22.3572

■ 29.8133, 51.0189,
10.4859

■ 41.8755, 56.8373,
29.1184

■ 28.0833, 50.1603,
8.9017

■ 46.3500, 58.9640,
37.4580

■ 26.7944, 49.5113,
8.1444

■ 51.4667, 61.3855,
47.4672

■ 57.2511, 64.1132,
59.2303

■ 63.7275, 67.1577,
72.8255

■ 70.9188, 70.5292,
88.3267

■ 78.6517, 74.1596,
104.7766

■ 83.3377, 76.5753,
104.9959

Harmonies

Analogous

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



45.5089, 53.4161, 10.2706



34.7395, 53.4161, 17.0737



29.0332, 53.4161, 36.7427

Triad

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



34.7395, 53.4161, 17.0737



42.6039, 53.4161, 168.2693



82.4850, 53.4161, 43.8966

Complementary

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



34.7395, 53.4161, 17.0737



31.9663, 19.8998, 65.7775

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.



81.3080, 53.4161, 86.6110



34.7395, 53.4161, 17.0737



56.4225, 53.4161, 173.2946

Square

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



34.7395, 53.4161, 17.0737



32.9555, 53.4161, 126.9024



71.1011, 53.4161, 138.5030



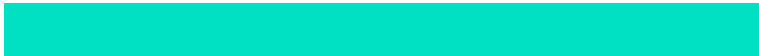
74.0679, 53.4161, 20.2053

Rectangle

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



34.7395, 53.4161, 17.0737



28.0815, 53.4161, 60.2698



71.1011, 53.4161, 138.5030



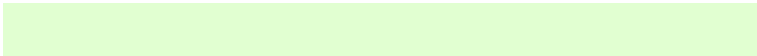
83.2347, 53.4161, 56.1021

Sweetspot

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



34.7408, 53.4184, 17.0749



78.2558, 92.0965, 74.0384



43.5335, 43.2744, 14.6535



16.2365, 19.4700, 14.8198



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.



34.7408, 53.4184, 17.0749



46.7446, 77.0499, 18.4372



30.3110, 51.0335, 21.4440



12.6577, 14.0997, 13.2151



16.2952, 29.9768, 4.9273



1.0702, 1.8531, 0.3013

Inverse Universe

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



31.9663, 19.8998, 65.7775



42.1639, 23.0340, 96.8315



40.7929, 24.7189, 54.0462



12.5226, 12.4108, 15.6730



14.0926, 6.4175, 38.9491



0.9370, 0.4319, 2.3533

Previews

White Background



This preview shows how the XYZ color 34.7395, 53.4161, 17.0737 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 34.7395, 53.4161, 17.0737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

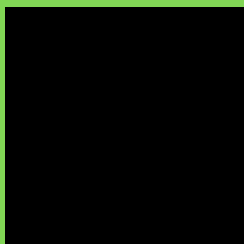
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.7395, 53.4161, 17.0737

Background



This preview shows how black text looks on a background with the XYZ color 34.7395, 53.4161, 17.0737.



This preview shows how white text looks on a background with the XYZ color 34.7395, 53.4161,

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

34.7395, 53.4161, 17.0737

Protanopia

47.9925, 52.5599, 15.0127

Deuteranopia

53.8789, 52.6796, 17.9181



Tritanopia

46.1735, 53.3624, 73.5120

Trichromacy



Original Color

34.7395, 53.4161, 17.0737



Protanomaly

41.6679, 51.9699, 15.6196



Deuteranomaly

44.4688, 51.3447, 17.4643



Tritanomaly

40.5604, 52.8468, 45.5988

Monochromacy



Original Color

34.7395, 53.4161, 17.0737



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

37.1806, 45.6173, 32.4366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7395, 53.4161, 17.0737 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(129, 214, 85)` looks like.

```
.text, #text, p{  
    color:rgb(129, 214, 85)  
}
```

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(129, 214, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 214, 85) }
```

Border

The CSS property to change the border of an element to XYZ 34.7395, 53.4161, 17.0737 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(129, 214, 85) }
```


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

```
.border{ border-color:rgb(129, 214, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 214, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 214, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 214, 85);  
box-shadow:4px 4px 4px 4px rgb(129, 214,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7395, 53.4161, 17.0737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 214, 85) }
```

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

```
.background{ background-color: rgb(129,  
214, 85) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor