

Converting Colors

XYZ(34.6213, 53.7924, 21.7573)

Have a look what the booklet for
XYZ(34.6213, 53.7924, 21.7573)
contains.

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Color

**XYZ(34.5449, 53.5934,
21.6206)**

Conversions

Conversions Part 1

Format	Color
Hex	78D768
RGB	120, 215, 104
RGB Percent	47%, 84%, 41%
CMY	0.5294, 0.1568, 0.5921
CMYK	0.44, 0.00, 0.52, 0.16
HSL	111°, 58%, 63%
HSV	111°, 52%, 84%
XYZ	34.5449, 53.5934, 21.6206
YIQ	173.9410, -20.9890, -54.6610

Conversions

Conversions Part 2

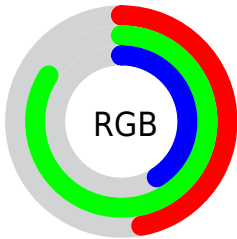
Format	Color
RYB	104, 215, 199
Decimal	7919464
CIELab	78.22, -49.32, 45.77
CIELCh	78, 67.286, 137.133
Yxy	53.5934, 0.3147, 0.4883
Android (android.graphics.Color)	4286109544 (0xFF78D768)
YUV	173.9410, -34.4809, -47.3063
Hunter-Lab	73.2075, -43.8832, 33.7350

Details

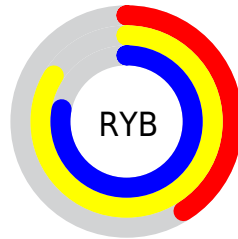
The XYZ color **34.5449, 53.5934, 21.6206** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **40.7718, 26.9508, 67.3459**, and the grayscale version is **40.3823, 42.4853, 46.2665**.

A 20% lighter version of the original color is **59.9773, 83.3014, 44.8159**, and **15.0046, 26.0683, 7.4897** is the 20% darker color. If you saturate the color by 10%, you get **31.2779, 52.0213, 16.4759**, and if you desaturate by 10%, it is **38.5834, 55.5343, 28.2568**.

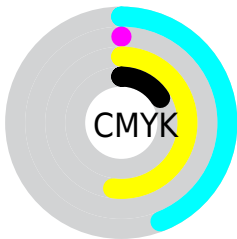
Distribution



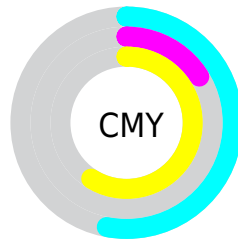
- Red (47%)
- Green (84%)
- Blue (41%)



- Red (41%)
- Yellow (84%)
- Blue (78%)



- Cyan (44%)
- Magenta (0%)
- Yellow (52%)
- Black (16%)





- Cyan (53%)
- Magenta (16%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5449, 53.5934, 21.6206 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 34.5449, 53.5934, 21.6206 by changing the saturation by 10% instead.


 34.5449, 53.5934,
21.6206


 34.5449, 53.5934,
21.6206


314.0983,
400.5576, 273.4471


 23.4774, 38.2767,
13.3827


 66.1188, 95.4770,
47.0122


 15.0690, 26.1975,
7.5588


 87.3559, 122.8126,
65.0031

 8.9545, 16.9715,
3.7303


 112.7136,
154.9234, 87.0821

 4.7684, 10.2141,
1.4786

 142.5573,
192.1937, 113.6677

 2.1454, 5.5412,
0.2019

177.2522,
235.0078, 145.1784

 0.7137, 2.5681,
0.0000

217.1638,

 0.0000, 0.9107,

283.7503, 182.0329

0.0000

262.6574,
338.8054, 224.6496

■ 0.0000, 0.0000,
0.0000

■ 34.5449, 53.5934,
21.6206

■ 34.5449, 53.5934,
21.6206

■ 31.2779, 52.0213,
16.4759

■ 38.5834, 55.5343,
28.2568

■ 28.7286, 50.7879,
12.7041

■ 43.4348, 57.8581,
36.4839

■ 26.8426, 49.8697,
10.1744

■ 49.1420, 60.5868,
46.3970

■ 25.5552, 49.2367,
8.7291

■ 55.7439, 63.7384,
58.0827

■ 24.8662, 48.8941,
8.1269

■ 63.2770, 67.3300,
71.6216

71.7756, 71.3776,
87.0894

81.2724, 75.8966,
104.5574

83.5915, 77.0830,
105.0805

Harmonies

Analogous

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



43.8388, 53.5934, 12.8710



34.5449, 53.5934, 21.6206



30.0290, 53.5934, 43.6509

Triad

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



34.5449, 53.5934, 21.6206



45.5064, 53.5934, 161.4240



79.1654, 53.5934, 39.4944

Complementary

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



34.5449, 53.5934, 21.6206



40.7718, 26.9508, 67.3459

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.



79.8216, 53.5934, 76.0359



34.5449, 53.5934, 21.6206



58.7671, 53.5934, 158.6870

Square

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



34.5449, 53.5934, 21.6206



35.5837, 53.5934, 129.2620



71.8393, 53.5934, 122.8849



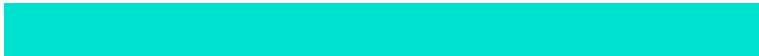
70.1765, 53.5934, 19.7111

Rectangle

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



34.5449, 53.5934, 21.6206



29.7208, 53.5934, 67.8284



71.8393, 53.5934, 122.8849



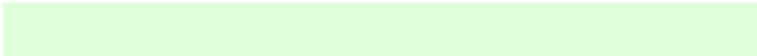
80.4165, 53.5934, 49.8059

Sweetspot

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



34.5462, 53.5957, 21.6218



78.4566, 92.0879, 79.1149



50.7995, 55.9974, 21.2287



16.3479, 19.4981, 16.1455



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.



34.5462, 53.5957, 21.6218



45.6152, 76.3518, 23.6180



34.9576, 53.5250, 34.4174



12.4273, 13.9810, 13.2043



14.9263, 29.2711, 4.8632



0.9549, 1.7936, 0.2959

Inverse Universe

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



40.7718, 26.9508, 67.3459



55.6638, 32.9426, 98.0325



40.8279, 27.4897, 44.3083



12.7689, 12.5378, 15.6846



19.2308, 9.0663, 39.1896



1.2091, 0.5722, 2.3660

Previews

White Background



This preview shows how the XYZ color 34.5449, 53.5934, 21.6206 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 34.5449, 53.5934, 21.6206 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 34.5449, 53.5934, 21.6206

Background



This preview shows how black text looks on a background with the XYZ color 34.5449, 53.5934, 21.6206.

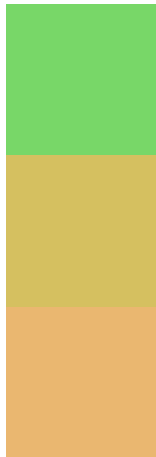


This preview shows how white text looks on a background with the XYZ color 34.5449, 53.5934,

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

34.5449, 53.5934, 21.6206

Protanopia

48.4015, 52.6899, 18.6855

Deuteranopia

53.7898, 52.5292, 22.6334



Tritanopia

45.2974, 53.5771, 74.9718

Trichromacy



Original Color

34.5449, 53.5934, 21.6206



Protanomaly

41.4968, 51.7931, 19.6143



Deuteranomaly

44.2677, 51.4718, 22.0699



Tritanomaly

40.0802, 52.8683, 49.6871

Monochromacy



Original Color

34.5449, 53.5934, 21.6206



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

36.9488, 45.4351, 35.2562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5449, 53.5934, 21.6206 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(120, 215, 104)` looks like.

```
.text, #text, p{  
    color:rgb(120, 215, 104)  
}
```

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(120, 215, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 215, 104) }
```

Border

The CSS property to change the border of an element to XYZ 34.5449, 53.5934, 21.6206 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(120, 215, 104) }
```


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

```
.border{ border-color:rgb(120, 215, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 215, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 215, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 215, 104);  
box-shadow:4px 4px 4px 4px rgb(120, 215,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5449, 53.5934, 21.6206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 215, 104) }
```

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

```
.background{ background-color: rgb(120,  
215, 104) }
```

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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