

Converting Colors

XYZ(36.5037, 58.7055, 21.4529)

Have a look what the booklet for
XYZ(36.5037, 58.7055, 21.4529)
contains.

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Color

**XYZ(36.4279, 58.4835,
21.4251)**

Conversions

Conversions Part 1

Format	Color
Hex	74E164
RGB	116, 225, 100
RGB Percent	45%, 88%, 39%
CMY	0.5451, 0.1176, 0.6078
CMYK	0.48, 0.00, 0.56, 0.12
HSL	112°, 68%, 64%
HSV	112°, 56%, 88%
XYZ	36.4279, 58.4835, 21.4251
YIQ	178.1590, -24.8390, -61.9830

Conversions

Conversions Part 2

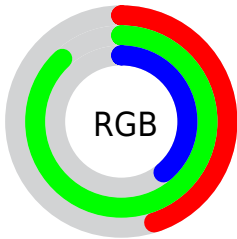
Format	Color
RYB	100, 225, 209
Decimal	7659876
CIELab	81.01, -54.94, 50.93
CIELCh	81, 74.913, 137.173
Yxy	58.4835, 0.3131, 0.5027
Android (android.graphics.Color)	4285849956 (0xFF74E164)
YUV	178.1590, -38.5324, -54.5134
Hunter-Lab	76.4745, -48.8036, 36.9215

Details

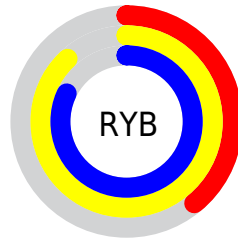
The XYZ color **36.4279, 58.4835, 21.4251** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **44.4453, 28.1079, 74.3201**, and the grayscale version is **42.6095, 44.8285, 48.8182**.

A 20% lighter version of the original color is **59.2719, 82.9671, 43.4621**, and **16.2224, 29.3654, 7.5024** is the 20% darker color. If you saturate the color by 10%, you get **33.1477, 56.9032, 16.3510**, and if you desaturate by 10%, it is **40.5625, 60.4730, 28.1111**.

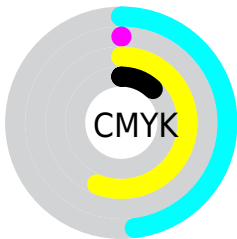
Distribution



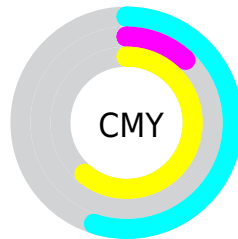
- Red (45%)
- Green (88%)
- Blue (39%)



- Red (39%)
- Yellow (88%)
- Blue (82%)



- Cyan (48%)
- Magenta (0%)
- Yellow (56%)
- Black (12%)



- Cyan (55%)
- Magenta (12%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4279, 58.4835, 21.4251 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 36.4279, 58.4835, 21.4251 by changing the saturation by 10% instead.

36.4279, 58.4835,
21.4251

36.4279, 58.4835,
21.4251

322.2257,
418.9852, 272.3840

24.9365, 42.1975,
13.2408

69.0116, 102.6266,
46.6839

16.1582, 29.2560,
7.4619

90.8345, 131.2525,
64.5955

9.7277, 19.2745,
3.6698

116.8321,
164.7604, 86.5866

5.2797, 11.8688,
1.4460

147.3695,
203.5349, 113.0758

2.4487, 6.6544,
0.1772

182.8123,
247.9602, 144.4816

0.8695, 3.2469,
0.0000

223.5256,

0.0000, 1.2620,

298.4207, 181.2225

0.0000

269.8750,
355.3009, 223.7171

■ 0.0000, 0.1115,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.4279, 58.4835,
21.4251

■ 36.4279, 58.4835,
21.4251

■ 33.1477, 56.9032,
16.3510

■ 40.5625, 60.4730,
28.1111

■ 30.6571, 55.6964,
12.7495


■ 45.6017, 62.8898,
36.5254


■ 28.8892, 54.8337,
10.4639


■ 51.5967, 65.7597,
46.7779


■ 27.7628, 54.2776,
9.3006


■ 58.5939, 69.1042,
58.9685

 27.4273, 54.1110,
8.9989

 66.6363, 72.9438,
73.1898

 75.7645, 77.2974,
89.5286

 85.6109, 82.0206,
105.9271

 86.2164, 82.3328,
105.9555

Harmonies

Analogous

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



47.2239, 58.4835, 11.9215



36.4279, 58.4835, 21.4251



31.2481, 58.4835, 46.5085

Triad

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



36.4279, 58.4835, 21.4251



49.2141, 58.4835, 188.8489



89.2968, 58.4835, 41.6087

Complementary

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



36.4279, 58.4835, 21.4251



44.4453, 28.1079, 74.3201

Split Complementary

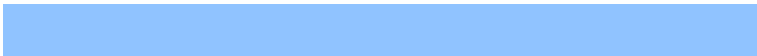
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.1035, 58.4835, 84.6267



36.4279, 58.4835, 21.4251



64.8830, 58.4835, 185.4038

Square

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



36.4279, 58.4835, 21.4251



37.6499, 58.4835, 149.3047



80.5041, 58.4835, 141.3531



78.4709, 58.4835, 19.2815

Rectangle

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



36.4279, 58.4835, 21.4251



30.9008, 58.4835, 74.9711



80.5041, 58.4835, 141.3531



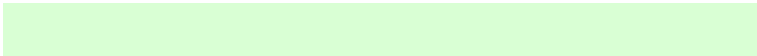
90.8116, 58.4835, 53.5811

Sweetspot

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



36.4293, 58.4860, 21.4264



76.2736, 91.0378, 75.6081



55.9914, 62.2050, 21.1132



15.9091, 19.2868, 15.4546



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.



36.4293, 58.4860, 21.4264



43.3117, 75.2275, 20.6559



37.3580, 58.6326, 36.4760



13.6910, 15.4209, 14.5617



15.8579, 31.2076, 5.1879



1.1531, 2.1909, 0.3621

Inverse Universe

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



44.4453, 28.1079, 74.3201



54.8806, 30.9304, 97.6854



43.7642, 28.3849, 45.9106



14.1134, 13.8420, 17.3156



21.0503, 9.9471, 41.8589



1.5079, 0.7147, 2.9037

Previews

White Background



This preview shows how the XYZ color 36.4279, 58.4835, 21.4251 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 36.4279, 58.4835, 21.4251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

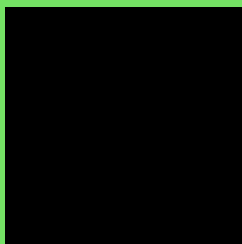
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4279, 58.4835, 21.4251

Background



This preview shows how black text looks on a background with the XYZ color 36.4279, 58.4835, 21.4251.



This preview shows how white text looks on a background with the XYZ color 36.4279, 58.4835,

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

36.4279, 58.4835, 21.4251

Protanopia

52.7102, 57.6109, 18.4671

Deuteranopia

58.4820, 57.1641, 22.4194



Tritanopia

48.4532, 57.9408, 82.0287

Trichromacy



Original Color

36.4279, 58.4835, 21.4251



Protanomaly

44.3945, 56.4944, 19.3912



Deuteranomaly

46.9834, 55.6228, 21.8957



Tritanomaly

42.5692, 57.4345, 52.5584

Monochromacy



Original Color

36.4279, 58.4835, 21.4251



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.5377, 48.2008, 36.1267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4279, 58.4835, 21.4251 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(116, 225, 100)` looks like.

```
.text, #text, p{  
    color:rgb(116, 225, 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(116, 225, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 225, 100) }
```

Border

The CSS property to change the border of an element to XYZ 36.4279, 58.4835, 21.4251 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(116, 225, 100) }
```


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

```
.border{ border-color:rgb(116, 225, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 225, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 225, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 225, 100);  
box-shadow:4px 4px 4px 4px rgb(116, 225,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4279, 58.4835, 21.4251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 225, 100) }
```

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

```
.background{ background-color: rgb(116,  
225, 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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