

Converting Colors

XYZ(36.2685, 65.1533, 21.4908)

Have a look what the booklet for
XYZ(36.2685, 65.1533, 21.4908)
contains.

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Color

**XYZ(36.2685, 65.1533,
21.4908)**

Conversions

Conversions Part 1

Format	Color
Hex	49F15F
RGB	73, 241, 95
RGB Percent	29%, 95%, 37%
CMY	0.7137, 0.0549, 0.6274
CMYK	0.70, 0.00, 0.61, 0.05
HSL	128°, 86%, 62%
HSV	128°, 70%, 95%
XYZ	36.2685, 65.1533, 21.4908
YIQ	174.1240, -53.2620, -81.0220

Conversions

Conversions Part 2

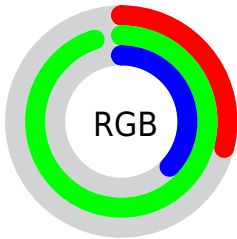
Format	Color
R_{YB}	73, 222, 241
Decimal	4845919
CIE Lab	84.56, -70.80, 56.94
CIE LCh	85, 90.854, 141.194
Yxy	65.1533, 0.2951, 0.5301
Android (android.graphics.Color)	4283035999 (0xFF49F15F)
YUV	174.1240, -39.0081, -88.6857
Hunter-Lab	80.7176, -61.0511, 40.7165

Details

The XYZ color **36.2685, 65.1533, 21.4908** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed green. A complement of this color would be **51.4460, 28.5812, 69.8236**, and the grayscale version is **40.5112, 42.6209, 46.4142**.

A 20% lighter version of the original color is **52.4203, 79.4728, 41.4311**, and **17.2833, 34.0069, 7.4868** is the 20% darker color. If you saturate the color by 10%, you get **33.9565, 64.0589, 17.0642**, and if you desaturate by 10%, it is **39.5465, 66.7199, 27.3012**.

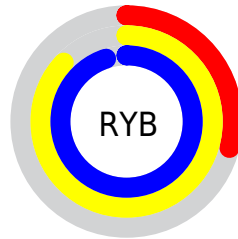
Distribution



Red (29%)

Green (95%)

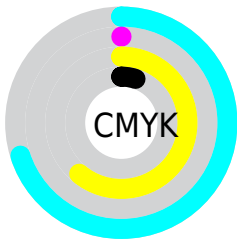
Blue (37%)



Red (29%)

Yellow (87%)

Blue (95%)

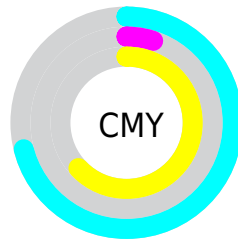


Cyan (70%)

Magenta (0%)

Yellow (61%)

Black (5%)



Cyan (71%)

Magenta (5%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2685, 65.1533, 21.4908 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 36.2685, 65.1533, 21.4908 by changing the saturation by 10% instead.

36.2685, 65.1533,
21.4908

36.2685, 65.1533,
21.4908

321.5434,
443.3427, 272.7417

24.8127, 47.5854,
13.2885

68.7675, 112.2702,
46.7943

16.0656, 33.4987,
7.4945

90.5413, 142.5880,
64.7326

9.6617, 22.5087,
3.6901

116.4853,
177.9246, 86.7532

5.2358, 14.2312,
1.4569

146.9646,
218.6643, 113.2749

2.4224, 8.2816,
0.1855

182.3447,
265.1916, 144.7160

0.8563, 4.2757,
0.0000

222.9910,

0.0000, 1.8289,

317.8908, 181.4951

0.0000

269.2688,
377.1464, 224.0308

■ 0.0000, 0.5051,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.2685, 65.1533,
21.4908

■ 36.2685, 65.1533,
21.4908

■ 33.9565, 64.0589,
17.0642

■ 39.5465, 66.7199,
27.3012

■ 32.4979, 63.3755,
13.9021


■ 43.8777, 68.7958,
34.5928


■ 31.7284, 63.0229,
11.8712

■ 49.3444, 71.4234,
43.4593


■ 31.7114, 63.0151,
11.8275

■ 56.0198, 74.6386,
53.9856

 63.9705, 78.4741,
66.2502

 73.2586, 82.9603,
80.3269

 83.9418, 88.1256,
96.2851

 90.7466, 91.3932,
107.4655

Harmonies

Analogous

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



48.8887, 65.1533, 9.4903



36.2685, 65.1533, 21.4908



30.8661, 65.1533, 55.2006

Triad

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



36.2685, 65.1533, 21.4908



56.1540, 65.1533, 248.0625



105.7891, 65.1533, 37.7796

Complementary

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



36.2685, 65.1533, 21.4908



51.4460, 28.5812, 69.8236

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.



108.9273, 65.1533, 89.4205



36.2685, 65.1533, 21.4908



77.0972, 65.1533, 233.9894

Square

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



36.2685, 65.1533, 21.4908



40.5884, 65.1533, 198.1604



97.4965, 65.1533, 166.2918



89.6750, 65.1533, 14.6933

Rectangle

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



36.2685, 65.1533, 21.4908



31.0435, 65.1533, 94.8662



97.4965, 65.1533, 166.2918



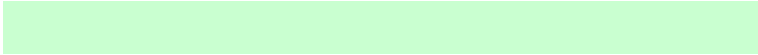
108.5173, 65.1533, 51.4197

Sweetspot

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



36.2701, 65.1560, 21.4923



71.4108, 88.5769, 73.3072



62.6012, 78.8299, 18.2197



14.7292, 18.6910, 14.8372



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.



36.2701, 65.1560, 21.4923



37.7361, 72.4152, 17.5951



42.1006, 67.4882, 52.1954



15.6502, 17.6901, 17.1807



17.2229, 34.1812, 6.5566



1.4593, 2.8542, 0.6850

Inverse Universe

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



51.4460, 28.5812, 69.8236



55.8837, 28.3751, 75.1655



43.2040, 25.2844, 26.4217



16.3600, 15.9937, 19.4518



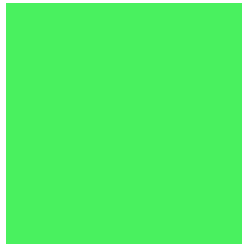
25.9776, 12.6635, 34.1285



2.1856, 1.0633, 2.9685

Previews

White Background



This preview shows how the XYZ color 36.2685, 65.1533, 21.4908 looks on a white background.

Color Contrast Check

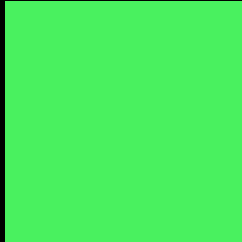
Large Text (above 18pt) WCAG AA × Fail

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 36.2685, 65.1533, 21.4908 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

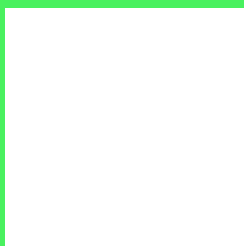
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2685, 65.1533, 21.4908

Background



This preview shows how black text looks on a background with the XYZ color 36.2685, 65.1533, 21.4908.

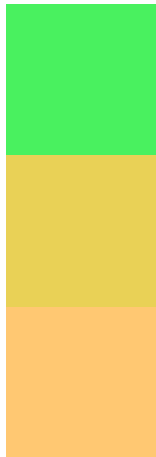


This preview shows how white text looks on a background with the XYZ color 36.2685, 65.1533,

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

36.2685, 65.1533, 21.4908

Protanopia

58.0845, 63.5965, 18.0181

Deuteranopia

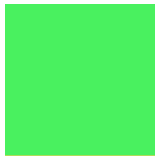
64.9315, 63.7835, 24.8088



Tritanopia

50.8616, 64.7063, 95.3968

Trichromacy



Original Color

36.2685, 65.1533, 21.4908



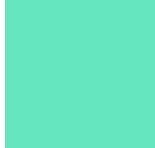
Protanomaly

45.3388, 61.5481, 18.9416



Deuteranomaly

47.9405, 60.4812, 23.0572



Tritanomaly

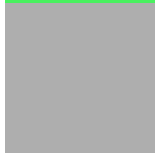
43.2370, 63.6362, 58.7194

Monochromacy



Original Color

36.2685, 65.1533, 21.4908



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

35.6214, 47.7509, 34.1275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2685, 65.1533, 21.4908 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(73, 241, 95)` looks like.

```
.text, #text, p{  
    color:rgb(73, 241, 95)  
}
```

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(73, 241, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 241, 95) }
```

Border

The CSS property to change the border of an element to XYZ 36.2685, 65.1533, 21.4908 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(73, 241, 95) }
```


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

```
.border{ border-color:rgb(73, 241, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 241, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 241, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 241, 95);  
box-shadow:4px 4px 4px 4px rgb(73, 241,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2685, 65.1533, 21.4908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 241, 95) }
```

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

```
.background{ background-color: rgb(73, 241,  
95) }
```

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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