

Converting Colors

XYZ(36.1209, 58.4711, 22.6699)

Have a look what the booklet for
XYZ(36.1209, 58.4711, 22.6699)
contains.

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Color

**XYZ(36.0306, 58.2499,
22.7089)**

Conversions

Conversions Part 1

Format	Color
Hex	6FE169
RGB	111, 225, 105
RGB Percent	44%, 88%, 41%
CMY	0.5647, 0.1176, 0.5882
CMYK	0.51, 0.00, 0.53, 0.12
HSL	117°, 67%, 65%
HSV	117°, 53%, 88%
XYZ	36.0306, 58.2499, 22.7089
YIQ	177.2340, -29.4240, -61.4880

Conversions

Conversions Part 2

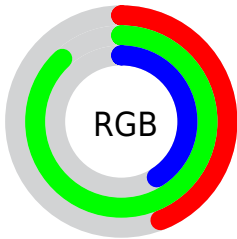
Format	Color
RYB	105, 225, 219
Decimal	7332201
CIELab	80.88, -55.71, 48.42
CIELCh	81, 73.813, 139.002
Yxy	58.2499, 0.3080, 0.4979
Android (android.graphics.Color)	4285522281 (0xFF6FE169)
YUV	177.2340, -35.6114, -58.0872
Hunter-Lab	76.3216, -49.2949, 35.7839

Details

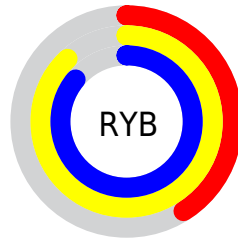
The XYZ color **36.0306, 58.2499, 22.7089** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **47.8585, 30.6014, 74.6215**, and the grayscale version is **42.1068, 44.2996, 48.2423**.

A 20% lighter version of the original color is **58.5956, 82.5693, 45.6500**, and **16.0029, 29.2373, 8.1681** is the 20% darker color. If you saturate the color by 10%, you get **32.6487, 56.6246, 17.2922**, and if you desaturate by 10%, it is **40.3648, 60.3342, 29.7694**.

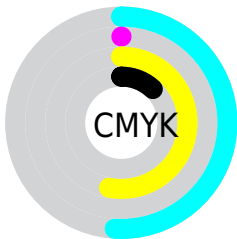
Distribution



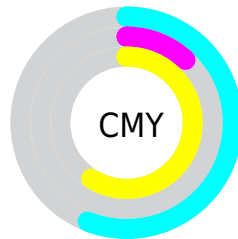
- Red (44%)
- Green (88%)
- Blue (41%)



- Red (41%)
- Yellow (88%)
- Blue (86%)



- Cyan (51%)
- Magenta (0%)
- Yellow (53%)
- Black (12%)





- Cyan (56%)
- Magenta (12%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0306, 58.2499, 22.7089 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 36.0306, 58.2499, 22.7089 by changing the saturation by 10% instead.


 36.0306, 58.2499,
22.7089


 36.0306, 58.2499,
22.7089


320.5232,
418.1165, 279.2996

 24.6280, 42.0096,
14.1754


 68.4029, 102.2867,
48.8320


 15.9274, 29.1088,
8.1026


 90.1033, 130.8519,
67.2587

 9.5633, 19.1631,
4.0720


 115.9670,
164.2943, 89.8203

 5.1704, 11.7882,
1.6649

 146.3595,
202.9982, 116.9353

 2.3834, 6.5996,
0.3365

181.6459,
247.3479, 149.0221

 0.8368, 3.2130,
0.0000

222.1918,

 0.0000, 1.2439,

297.7280, 186.4994

0.0000

268.3624,
354.5227, 229.7857

■ 0.0000, 0.0971,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.0306, 58.2499,
22.7089

■ 36.0306, 58.2499,
22.7089

■ 32.6487, 56.6246,
17.2922

■ 40.3648, 60.3342,
29.7694

■ 30.1434, 55.4170,
13.3831


■ 45.7111, 62.9007,
38.5877


■ 28.4347, 54.5909,
10.8303


■ 52.1294, 65.9796,
49.2721


■ 27.4259, 54.1003,
9.4489

■ 59.6736, 69.5967,
61.9210

 27.0677, 53.9256,
8.9821

 68.3943, 73.7758,
76.6262

 78.3385, 78.5397,
93.4734

 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.



46.3447, 58.2499, 12.5140



36.0306, 58.2499, 22.7089



31.2558, 58.2499, 48.6978

Triad

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



36.0306, 58.2499, 22.7089



49.9506, 58.2499, 186.9482



88.0228, 58.2499, 39.7963

Complementary

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



36.0306, 58.2499, 22.7089



47.8585, 30.6014, 74.6215

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.



89.4757, 58.2499, 80.8553



36.0306, 58.2499, 22.7089



65.4853, 58.2499, 180.7722

Square

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



36.0306, 58.2499, 22.7089



38.2511, 58.2499, 150.4055



80.6115, 58.2499, 136.1235



76.9456, 58.2499, 18.7757

Rectangle

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



36.0306, 58.2499, 22.7089



31.1347, 58.2499, 77.5121



80.6115, 58.2499, 136.1235



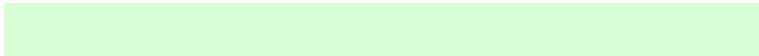
89.7205, 58.2499, 51.1560

Sweetspot

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



36.0320, 58.2523, 22.7102



76.3128, 91.0207, 77.2990



58.9353, 67.6935, 23.3254



15.8816, 19.2652, 15.7860



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.



36.0320, 58.2523, 22.7102



42.9338, 74.9961, 22.2923



39.0108, 59.3596, 42.2040



13.5918, 15.3697, 14.5571



15.6256, 31.0878, 5.1770



1.1058, 2.1665, 0.3599

Inverse Universe

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



47.8585, 30.6014, 74.6215



60.1623, 34.5853, 98.1125



43.4557, 29.0525, 41.8473



14.2238, 13.8989, 17.3208



23.8008, 11.3651, 41.9876



1.6708, 0.7986, 2.9113

Previews

White Background



This preview shows how the XYZ color 36.0306, 58.2499, 22.7089 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 36.0306, 58.2499, 22.7089 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 36.0306, 58.2499, 22.7089

Background



This preview shows how black text looks on a background with the XYZ color 36.0306, 58.2499, 22.7089.

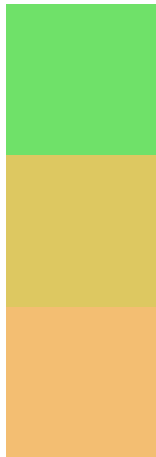


This preview shows how white text looks on a background with the XYZ color 36.0306, 58.2499,

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

36.0306, 58.2499, 22.7089

Protanopia

52.6307, 57.5438, 19.6424

Deuteranopia

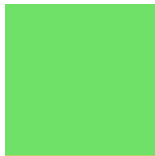
58.4129, 57.0965, 23.8616



Tritanopia

48.0029, 58.0625, 82.8059

Trichromacy



Original Color

36.0306, 58.2499, 22.7089



Protanomaly

44.1568, 56.3448, 20.6049



Deuteranomaly

46.7309, 55.4617, 23.2811



Tritanomaly

42.3667, 57.6756, 54.2469

Monochromacy



Original Color

36.0306, 58.2499, 22.7089



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.0146, 47.5902, 36.4604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0306, 58.2499, 22.7089 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(111, 225, 105)` looks like.

```
.text, #text, p{  
    color:rgb(111, 225, 105)  
}
```

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(111, 225, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 225, 105) }
```

Border

The CSS property to change the border of an element to XYZ 36.0306, 58.2499, 22.7089 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(111, 225, 105) }
```


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

```
.border{ border-color:rgb(111, 225, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 225, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 225, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 225, 105);  
box-shadow:4px 4px 4px 4px rgb(111, 225,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0306, 58.2499, 22.7089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 225, 105) }
```

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

```
.background{ background-color: rgb(111,  
225, 105) }
```

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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