

Converting Colors

XYZ(36.0158, 63.4863, 12.1989)

Have a look what the booklet for
XYZ(36.0158, 63.4863, 12.1989)
contains.

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Color

**XYZ(36.0009, 63.4750,
12.1882)**

Conversions

Conversions Part 1

Format	Color
Hex	65ED26
RGB	101, 237, 38
RGB Percent	40%, 93%, 15%
CMY	0.6039, 0.0706, 0.8509
CMYK	0.57, 0.00, 0.84, 0.07
HSL	101°, 85%, 54%
HSV	101°, 84%, 93%
XYZ	36.0009, 63.4750, 12.1882
YIQ	173.6500, -17.1770, -90.7210

Conversions

Conversions Part 2

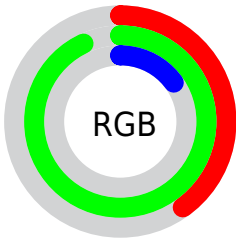
Format	Color
RYB	38, 237, 174
Decimal	6679846
CIELab	83.69, -67.94, 75.49
CIELCh	84, 101.563, 131.985
Yxy	63.4750, 0.3224, 0.5684
Android (android.graphics.Color)	4284869926 (0xFF65ED26)
YUV	173.6500, -66.8754, -63.7140
Hunter-Lab	79.6712, -58.7661, 46.6996

Details

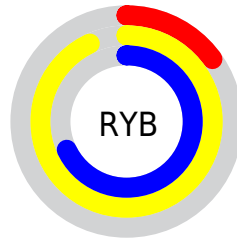
The XYZ color **36.0009, 63.4750, 12.1882** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **33.4393, 16.5022, 81.5470**, and the grayscale version is **40.3930, 42.4966, 46.2788**.

A 20% lighter version of the original color is **53.7252, 80.4986, 25.5381**, and **16.3713, 32.6683, 5.4428** is the 20% darker color. If you saturate the color by 10%, you get **34.0952, 62.5256, 10.6983**, and if you desaturate by 10%, it is **38.5099, 64.7113, 14.9770**.

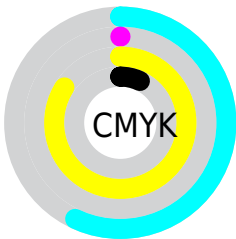
Distribution



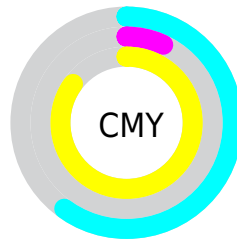
- Red (40%)
- Green (93%)
- Blue (15%)



- Red (15%)
- Yellow (93%)
- Blue (68%)



- Cyan (57%)
- Magenta (0%)
- Yellow (84%)
- Black (7%)





- Cyan (60%)
- Magenta (7%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0009, 63.4750, 12.1882 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 36.0009, 63.4750, 12.1882 by changing the saturation by 10% instead.


 36.0009, 63.4750,
12.1882


 36.0009, 63.4750,
12.1882


320.3956,
437.2913, 216.6692


 24.6050, 46.2256,
6.7479


 68.3573, 109.8545,
30.5069

 15.9102, 32.4239,
3.2289


 90.0485, 139.7534,
44.2224


 9.5511, 21.6855,
1.2127


 115.9023,
174.6375, 61.5334

 5.1623, 13.6260,
0.0000

 146.2838,
214.8914, 82.8584

 2.3785, 7.8610,
0.0000

 181.5586,
260.8993, 108.6159

 0.8344, 4.0061,
0.0000

 222.0919,

 0.0000, 1.6770,

313.0456, 139.2245

0.0000

268.2491,
371.7148, 175.1028

■ 0.0000, 0.4087,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.0009, 63.4750,
12.1882

■ 36.0009, 63.4750,
12.1882

■ 34.0952, 62.5256,
10.6983

■ 38.5099, 64.7113,
14.9770

■ 33.1887, 62.0677,
10.2310

■ 41.6773, 66.2523,
19.2719

■ 45.5552, 68.1232,
25.2480

■ 50.1889, 70.3440,
33.0553

■ 55.6194, 72.9328,
42.8271

■ 61.8845, 75.9067,
54.6844

■ 69.0195, 79.2812,
68.7383

■ 77.0576, 83.0714,
85.0920

■ 86.0301, 87.2911,
103.8425

Harmonies

Analogous

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



51.8768, 63.4750, 5.1937



36.0009, 63.4750, 12.1882



28.1084, 63.4750, 37.7258

Triad

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



36.0009, 63.4750, 12.1882



48.0445, 63.4750, 263.3534



112.5980, 63.4750, 46.6668

Complementary

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



36.0009, 63.4750, 12.1882



33.4393, 16.5022, 81.5470

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.



110.8415, 63.4750, 114.3495



36.0009, 63.4750, 12.1882



69.6573, 63.4750, 271.5756

Square

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



36.0009, 63.4750, 12.1882



33.7921, 63.4750, 187.7297



93.7100, 63.4750, 206.0367



98.0432, 63.4750, 15.2847

Rectangle

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



36.0009, 63.4750, 12.1882



26.8817, 63.4750, 73.4442



93.7100, 63.4750, 206.0367



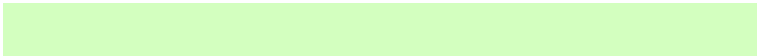
113.9781, 63.4750, 64.9565

Sweetspot

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



36.0024, 63.4777, 12.1896



72.1786, 89.2050, 62.8486



50.4107, 48.4136, 8.5225



14.8748, 18.8211, 12.3552



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.



36.0024, 63.4777, 12.1896



39.1291, 73.2568, 12.0777



32.3380, 61.4843, 16.7294



15.3171, 17.0935, 16.0108



18.2391, 33.9471, 5.5911



1.5286, 2.7154, 0.4436

Inverse Universe

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



33.4393, 16.5022, 81.5470



35.5687, 16.2512, 95.8699



46.1065, 23.5869, 57.0869



15.2242, 15.0609, 19.0269



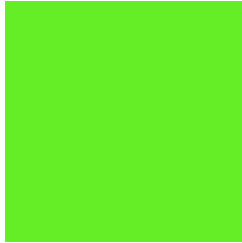
16.6204, 7.6041, 44.3347



1.4040, 0.6481, 3.4860

Previews

White Background



This preview shows how the XYZ color 36.0009, 63.4750, 12.1882 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 36.0009, 63.4750, 12.1882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

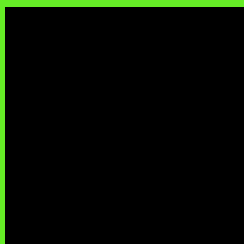
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.0009, 63.4750, 12.1882

Background



This preview shows how black text looks on a background with the XYZ color 36.0009, 63.4750, 12.1882.

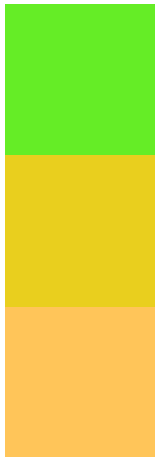


This preview shows how white text looks on a background with the XYZ color 36.0009, 63.4750,

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

36.0009, 63.4750, 12.1882

Protanopia

56.1514, 62.0430, 10.2443

Deuteranopia

63.0094, 61.9138, 18.0808



Tritanopia

51.6056, 63.2043, 90.3687

Trichromacy



Original Color

36.0009, 63.4750, 12.1882



Protanomaly

45.3535, 60.5669, 10.7390



Deuteranomaly

48.2022, 59.6713, 14.7715



Tritanomaly

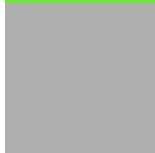
42.5728, 61.9399, 45.3091

Monochromacy



Original Color

36.0009, 63.4750, 12.1882



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

35.7005, 47.6162, 26.7113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0009, 63.4750, 12.1882 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(101, 237, 38)` looks like.

```
.text, #text, p{  
    color:rgb(101, 237, 38)  
}
```

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(101, 237, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 237, 38) }
```

Border

The CSS property to change the border of an element to XYZ 36.0009, 63.4750, 12.1882 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(101, 237, 38) }
```


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

```
.border{ border-color:rgb(101, 237, 38) }
```

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

Here you see how a box with a 4 pixel rgb(101, 237, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 237, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 237, 38);  
box-shadow:4px 4px 4px 4px rgb(101, 237,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0009, 63.4750, 12.1882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 237, 38) }
```

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

```
.background{ background-color: rgb(101,  
237, 38) }
```

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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