

Converting Colors

XYZ(37.0166, 66.1036, 16.1195)

Have a look what the booklet for
XYZ(37.0166, 66.1036, 16.1195)
contains.

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Color

**XYZ(36.9817, 66.0832,
16.1164)**

Conversions

Conversions Part 1

Format	Color
Hex	5AF243
RGB	90, 242, 67
RGB Percent	35%, 95%, 26%
CMY	0.6471, 0.0510, 0.7372
CMYK	0.63, 0.00, 0.72, 0.05
HSL	112°, 87%, 61%
HSV	112°, 72%, 95%
XYZ	36.9817, 66.0832, 16.1164
YIQ	176.6020, -34.4170, -86.6490

Conversions

Conversions Part 2

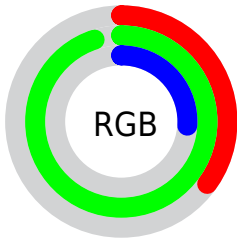
Format	Color
RYB	67, 242, 219
Decimal	5960259
CIELab	85.04, -70.49, 68.41
CIELCh	85, 98.228, 135.858
Yxy	66.0832, 0.3103, 0.5545
Android (android.graphics.Color)	4284150339 (0xFF5AF243)
YUV	176.6020, -54.0338, -75.9500
Hunter-Lab	81.2916, -61.0559, 45.1496

Details

The XYZ color **36.9817, 66.0832, 16.1164** 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 **47.2520, 25.4880, 86.4372**, and the grayscale version is **41.8700, 44.0505, 47.9710**.

A 20% lighter version of the original color is **53.1720, 80.0686, 32.0544**, and **17.1405, 34.2810, 5.7135** is the 20% darker color. If you saturate the color by 10%, you get **34.6388, 64.9444, 12.9768**, and if you desaturate by 10%, it is **40.2089, 67.6467, 20.8823**.

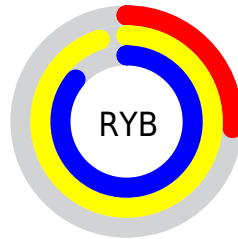
Distribution



Red (35%)

Green (95%)

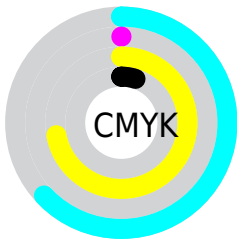
Blue (26%)



Red (26%)

Yellow (95%)

Blue (86%)

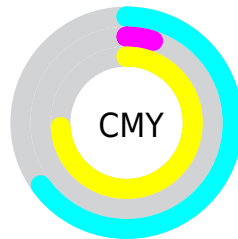


Cyan (63%)

Magenta (0%)

Yellow (72%)

Black (5%)



Cyan (65%)

Magenta (5%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9817, 66.0832, 16.1164 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 36.9817, 66.0832, 16.1164 by changing the saturation by 10% instead.

■ 36.9817, 66.0832,
16.1164

■ 36.9817, 66.0832,
16.1164

324.5882,
446.6744, 241.8967

■ 25.3669, 48.3399,
9.4513

■ 69.8587, 113.6057,
37.5698

■ 16.4808, 34.0962,
4.9359

■ 91.8515, 144.1538,
53.1951

■ 9.9580, 22.9675,
2.1516

■ 118.0345,
179.7389, 72.6443

■ 5.4332, 14.5695,
0.6462

■ 148.7730,
220.7455, 96.3359

■ 2.5410, 8.5178,
0.0000

■ 184.4322,
267.5580, 124.6884

■ 0.9160, 4.4280,
0.0000

225.3776,

■ 0.0000, 1.9158,

320.5607, 158.1203

0.0000

271.9744,
380.1380, 197.0502

0.0000, 0.5578,
0.0000

0.0000, 0.0000,
0.0000

36.9817, 66.0832,
16.1164

36.9817, 66.0832,
16.1164

34.6388, 64.9444,
12.9768

40.2089, 67.6467,
20.8823


33.0847, 64.1800,
11.2428


44.3937, 69.6631,
27.4494


32.3429, 63.8108,
10.6121


49.6068, 72.1672,
35.9748

55.9111, 75.1886,
46.5973

 63.3640, 78.7541,
59.4434

 72.0192, 82.8889,
74.6292

 81.9269, 87.6164,
92.2630

 91.0435, 91.9870,
107.5645

Harmonies

Analogous

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



51.8979, 66.0832, 6.8944



36.9817, 66.0832, 16.1164



29.9548, 66.0832, 46.1239

Triad

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



36.9817, 66.0832, 16.1164



52.9880, 66.0832, 266.2762



113.2036, 66.0832, 43.5554

Complementary

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



36.9817, 66.0832, 16.1164



47.2520, 25.4880, 86.4372

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.



113.6922, 66.0832, 105.9767



36.9817, 66.0832, 16.1164



75.1537, 66.0832, 264.0254

Square

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



36.9817, 66.0832, 16.1164



37.6176, 66.0832, 199.4087



98.5111, 66.0832, 194.3662



97.3012, 66.0832, 15.1843

Rectangle

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



36.9817, 66.0832, 16.1164



29.3087, 66.0832, 85.1047



98.5111, 66.0832, 194.3662



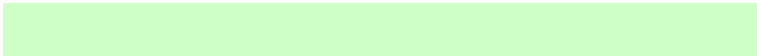
115.2829, 66.0832, 60.2319

Sweetspot

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



36.9833, 66.0860, 16.1179



71.5861, 88.7995, 67.3390



62.8787, 69.7752, 15.4651



14.8037, 18.7588, 13.5128



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.



36.9833, 66.0860, 16.1179



38.0421, 72.6645, 13.4705



38.1771, 66.3439, 32.3276



15.7589, 17.7559, 16.7464



17.4371, 34.3107, 5.7036



1.5113, 2.8856, 0.4773

Inverse Universe

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



47.2520, 25.4880, 86.4372



49.9152, 24.4607, 96.6983



46.6468, 26.1010, 44.6140



16.2381, 15.9199, 19.9386



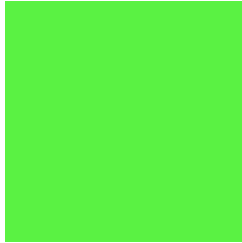
23.0026, 10.8637, 46.0124



1.9698, 0.9328, 3.8304

Previews

White Background



This preview shows how the XYZ color 36.9817, 66.0832, 16.1164 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 36.9817, 66.0832, 16.1164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

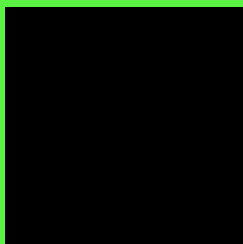
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9817, 66.0832, 16.1164

Background



This preview shows how black text looks on a background with the XYZ color 36.9817, 66.0832, 16.1164.



This preview shows how white text looks on a background with the XYZ color 36.9817, 66.0832,

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

36.9817, 66.0832, 16.1164

Protanopia

58.6758, 64.7372, 13.5407

Deuteranopia

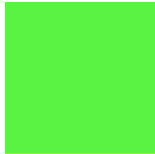
65.3978, 64.7160, 24.9642



Tritanopia

52.7314, 65.6702, 95.4843

Trichromacy



Original Color

36.9817, 66.0832, 16.1164



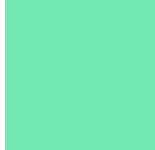
Protanomaly

46.5192, 62.6576, 14.1997



Deuteranomaly

49.4762, 62.0909, 20.6863



Tritanomaly

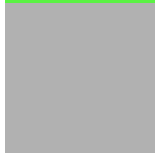
44.1651, 64.6534, 53.3316

Monochromacy



Original Color

36.9817, 66.0832, 16.1164



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

37.0791, 49.5992, 31.2862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9817, 66.0832, 16.1164 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(90, 242, 67)` looks like.

```
.text, #text, p{  
    color:rgb(90, 242, 67)  
}
```

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(90, 242, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 242, 67) }
```

Border

The CSS property to change the border of an element to XYZ 36.9817, 66.0832, 16.1164 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(90, 242, 67) }
```


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

```
.border{ border-color:rgb(90, 242, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 242, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 242, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 242, 67);  
box-shadow:4px 4px 4px 4px rgb(90, 242,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9817, 66.0832, 16.1164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 242, 67) }
```

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

```
.background{ background-color: rgb(90, 242,  
67) }
```

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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