

Converting Colors

XYZ(36.1738, 66.1251, 15.5605)

Have a look what the booklet for
XYZ(36.1738, 66.1251, 15.5605)
contains.

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Color

**XYZ(36.1722, 66.1223,
15.5590)**

Conversions

Conversions Part 1

Format	Color
Hex	4FF33F
RGB	79, 243, 63
RGB Percent	31%, 95%, 25%
CMY	0.6902, 0.0470, 0.7529
CMYK	0.67, 0.00, 0.74, 0.05
HSL	115°, 88%, 60%
HSV	115°, 74%, 95%
XYZ	36.1722, 66.1223, 15.5590
YIQ	173.4440, -39.9640, -90.7480

Conversions

Conversions Part 2

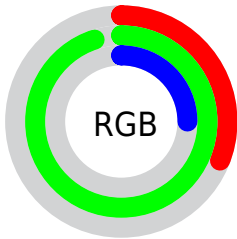
Format	Color
RYB	63, 243, 227
Decimal	5239615
CIELab	85.06, -73.26, 69.68
CIELCh	85, 101.103, 136.435
Yxy	66.1223, 0.3069, 0.5611
Android (android.graphics.Color)	4283429695 (0xFF4FF33F)
YUV	173.4440, -54.4489, -82.8274
Hunter-Lab	81.3156, -62.8989, 45.5763

Details

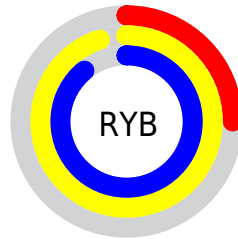
The XYZ color **36.1722, 66.1223, 15.5590** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **49.6384, 26.3598, 87.2693**, and the grayscale version is **40.2333, 42.3286, 46.0958**.

A 20% lighter version of the original color is **51.4856, 79.2210, 30.9900**, and **17.3490, 34.6979, 5.7830** is the 20% darker color. If you saturate the color by 10%, you get **34.0926, 65.1141, 12.6655**, and if you desaturate by 10%, it is **39.1675, 67.5719, 20.0611**.

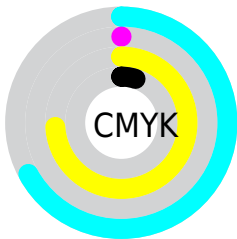
Distribution



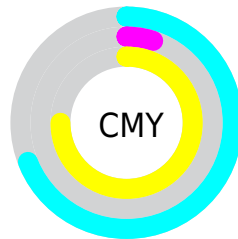
- Red (31%)
- Green (95%)
- Blue (25%)



- Red (25%)
- Yellow (95%)
- Blue (89%)



- Cyan (67%)
- Magenta (0%)
- Yellow (74%)
- Black (5%)





- Cyan (69%)
- Magenta (5%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1722, 66.1223, 15.5590 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 36.1722, 66.1223, 15.5590 by changing the saturation by 10% instead.


 36.1722, 66.1223,
15.5590


 36.1722, 66.1223,
15.5590


321.1307,
446.8141, 238.4814


 24.7379, 48.3717,
9.0617


 68.6199, 113.6618,
36.5870

 16.0096, 34.1213,
4.6841


 90.3641, 144.2196,
51.9547


 9.6218, 22.9868,
2.0076


 116.2756,
179.8151, 71.1163

 5.2093, 14.5838,
0.5600

 146.7198,
220.8329, 94.4903

 2.4066, 8.5278,
0.0000

 182.0620,
267.6573, 122.4953

 0.8484, 4.4345,
0.0000

222.6677,

 0.0000, 1.9195,

320.6727, 155.5498

0.0000

268.9021,
380.2635, 194.0723

■ 0.0000, 0.5600,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.1722, 66.1223,
15.5590

■ 36.1722, 66.1223,
15.5590

■ 34.0926, 65.1141,
12.6655

■ 39.1675, 67.5719,
20.0611


■ 32.8176, 64.4891,
11.1480


■ 43.1636, 69.4968,
26.3542


■ 32.3739, 64.2698,
10.6990


■ 48.2412, 71.9371,
34.6010

■ 54.4714, 74.9264,
44.9447

 61.9191, 78.4953,
57.5153

 70.6445, 82.6723,
72.4320

 80.7037, 87.4839,
89.8057

 91.3419, 92.5839,
107.6640

Harmonies

Analogous

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



51.2613, 66.1223, 6.2784



36.1722, 66.1223, 15.5590



29.1834, 66.1223, 46.4196

Triad

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



36.1722, 66.1223, 15.5590



53.1318, 66.1223, 275.4710



114.8576, 66.1223, 42.0399

Complementary

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



36.1722, 66.1223, 15.5590



49.6384, 26.3598, 87.2693

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.



115.7076, 66.1223, 105.5736



36.1722, 66.1223, 15.5590



76.0593, 66.1223, 271.5156

Square

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



36.1722, 66.1223, 15.5590



37.2552, 66.1223, 206.3408



100.1879, 66.1223, 197.5140



98.0878, 66.1223, 14.0147

Rectangle

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



36.1722, 66.1223, 15.5590



28.6204, 66.1223, 86.9755



100.1879, 66.1223, 197.5140



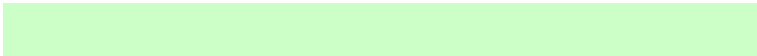
117.1330, 66.1223, 58.8433

Sweetspot

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



36.1738, 66.1251, 15.5605



70.9274, 88.4599, 67.3082



64.7876, 73.2674, 15.4310



14.6515, 18.6803, 13.5057



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.



36.1738, 66.1251, 15.5605



37.1993, 72.2377, 13.0844



38.4758, 66.9103, 33.8109



16.4187, 18.5424, 17.5112



17.8135, 35.2960, 5.8739



1.6113, 3.1257, 0.5184

Inverse Universe

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



49.6384, 26.3598, 87.2693



52.6730, 25.6870, 96.7897



46.0928, 25.5517, 41.0334



17.0599, 16.6891, 20.8647



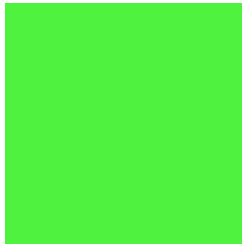
25.3723, 12.0542, 47.5275



2.2717, 1.0810, 4.1792

Previews

White Background



This preview shows how the XYZ color 36.1722, 66.1223, 15.5590 looks on a white background.

Color Contrast Check

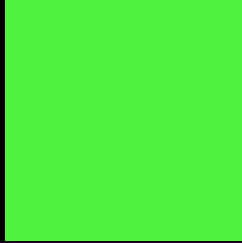
Large Text (above 18pt) WCAG AA × Fail

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 36.1722, 66.1223, 15.5590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

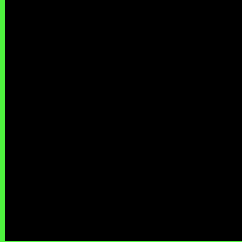
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.1722, 66.1223, 15.5590

Background



This preview shows how black text looks on a background with the XYZ color 36.1722, 66.1223, 15.5590.

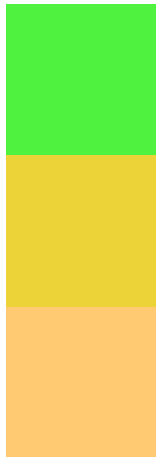


This preview shows how white text looks on a background with the XYZ color 36.1722, 66.1223,

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

36.1722, 66.1223, 15.5590

Protanopia

58.5759, 64.6972, 13.0150

Deuteranopia

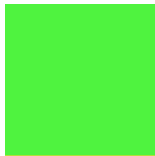
65.3412, 64.6933, 24.6660



Tritanopia

52.2627, 65.8158, 96.3354

Trichromacy



Original Color

36.1722, 66.1223, 15.5590



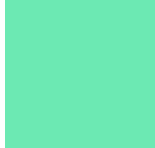
Protanomaly

45.7418, 62.6645, 13.6876



Deuteranomaly

48.3643, 61.5283, 20.1536



Tritanomaly

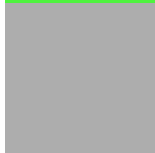
43.4599, 64.7206, 52.8496

Monochromacy



Original Color

36.1722, 66.1223, 15.5590



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.0752, 47.5706, 29.5237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1722, 66.1223, 15.5590 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(79, 243, 63)` looks like.

```
.text, #text, p{  
    color:rgb(79, 243, 63)  
}
```

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(79, 243, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 243, 63) }
```

Border

The CSS property to change the border of an element to XYZ 36.1722, 66.1223, 15.5590 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(79, 243, 63) }
```


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

```
.border{ border-color:rgb(79, 243, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 243, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 243, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 243, 63);  
box-shadow:4px 4px 4px 4px rgb(79, 243,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1722, 66.1223, 15.5590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 243, 63) }
```

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

```
.background{ background-color: rgb(79, 243,  
63) }
```

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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