

Converting Colors

XYZ(34.2550, 64.9074, 10.7230)

Have a look what the booklet for
XYZ(34.2550, 64.9074, 10.7230)
contains.

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Color

**XYZ(34.2064, 64.7695,
10.6989)**

Conversions

Conversions Part 1

Format	Color
Hex	45F200
RGB	69, 242, 0
RGB Percent	27%, 95%, 0%
CMY	0.7294, 0.0510, 0.9999
CMYK	0.71, 0.00, 1.00, 0.05
HSL	103°, 100%, 47%
HSV	103°, 100%, 95%
XYZ	34.2064, 64.7695, 10.6989
YIQ	162.6850, -25.4260, -111.9380

Conversions

Conversions Part 2

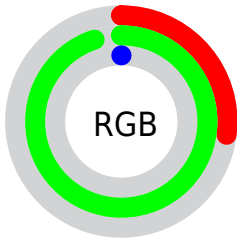
Format	Color
RYB	0, 242, 173
Decimal	4583936
CIELab	84.36, -76.95, 80.75
CIELCh	84, 111.548, 133.620
Yxy	64.7695, 0.3119, 0.5906
Android (android.graphics.Color)	4282774016 (0xFF45F200)
YUV	162.6850, -80.2037, -82.1617
Hunter-Lab	80.4795, -64.9708, 48.4537

Details

The XYZ color **34.2064, 64.7695, 10.6989** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated green. A complement of this color would be **33.2703, 15.3006, 85.2077**, and the grayscale version is **35.0423, 36.8673, 40.1485**.

A 20% lighter version of the original color is **48.7608, 78.0090, 22.1601**, and **17.1405, 34.2810, 5.7135** is the 20% darker color. If you saturate the color by 10%, you get **34.2059, 64.7712, 10.6993**, and if you desaturate by 10%, it is **35.7865, 65.5667, 11.6465**.

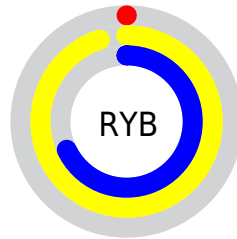
Distribution



Red (27%)

Green (95%)

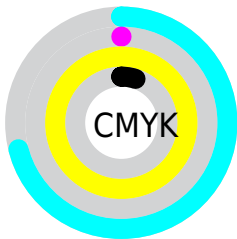
Blue (0%)



Red (0%)

Yellow (95%)

Blue (68%)

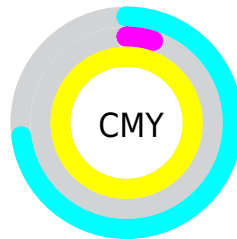


Cyan (71%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (73%)


Magenta (5%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2064, 64.7695, 10.6989 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 34.2064, 64.7695, 10.6989 by changing the saturation by 10% instead.


 34.2064, 64.7695,
10.6989


 34.2064, 64.7695,
10.6989


312.6211,
441.9632, 206.2527


 23.2158, 47.2742,
5.7531


 65.5967, 111.7184,
27.7301


 14.8745, 33.2525,
2.6292


 86.7271, 141.9408,
40.6526


 8.8171, 22.3199,
0.9075

 111.9682,
177.1743, 57.0712

 4.6782, 14.0922,
0.0000

 141.6853,
217.8034, 77.4042

 2.0925, 8.1848,
0.0000

 176.2438,
264.2125, 102.0704

 0.6852, 4.2134,
0.0000

 216.0090,

 0.0000, 1.7937,

316.7859, 131.4882

0.0000

261.3464,
375.9080, 166.0761

■ 0.0000, 0.4832,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.2064, 64.7695,
10.6989

■ 34.2064, 64.7695,
10.6989

■ 34.2059, 64.7712,
10.6993

■ 35.7865, 65.5667,
11.6465

■ 37.9593, 66.6435,
13.7065

■ 40.8164, 68.0415,
17.2223

■ 44.4198, 69.7883,
22.3987

■ 48.8235, 71.9079,
29.4074

■ 54.0759, 74.4221,
38.3990

■ 60.2214, 77.3507,
49.5082

■ 67.3011, 80.7122,
62.8581

■ 75.3534, 84.5241,
78.5624

Harmonies

Analogous

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



51.0145, 64.7695, 3.6746



34.2064, 64.7695, 10.6989



26.2439, 64.7695, 38.6307

Triad

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



34.2064, 64.7695, 10.6989



49.0851, 64.7695, 298.9774



120.4101, 64.7695, 43.0353

Complementary

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



34.2064, 64.7695, 10.6989



33.2703, 15.3006, 85.2077

Split Complementary

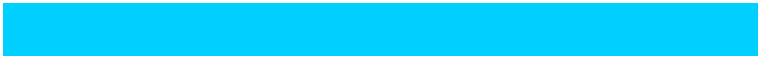
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



119.4842, 64.7695, 116.3982



34.2064, 64.7695, 10.6989



73.4702, 64.7695, 303.4520

Square

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



34.2064, 64.7695, 10.6989



33.1221, 64.7695, 212.6542



100.6044, 64.7695, 222.4951



102.8710, 64.7695, 12.0750

Rectangle

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



34.2064, 64.7695, 10.6989



25.2166, 64.7695, 79.4901



100.6044, 64.7695, 222.4951



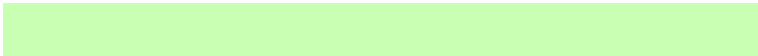
122.3665, 64.7695, 62.2570

Sweetspot

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



34.2079, 64.7722, 10.7003



67.7468, 87.0757, 55.6198



50.8847, 47.4082, 6.4698



13.8483, 18.3273, 10.7107



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.



34.2079, 64.7722, 10.7003



38.4834, 72.9240, 12.0475



32.2963, 63.7241, 13.4407



15.9890, 17.8745, 16.7571



18.4907, 34.8538, 5.7529



1.6325, 2.9481, 0.4830

Inverse Universe

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



33.2703, 15.3006, 85.2077



37.4173, 17.2042, 95.9564



46.3138, 22.7564, 52.7613



15.9897, 15.7919, 19.9270



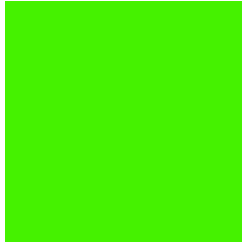
18.0120, 8.2909, 45.7788



1.5956, 0.7398, 3.8129

Previews

White Background



This preview shows how the XYZ color 34.2064, 64.7695, 10.6989 looks on a white background.

Color Contrast Check

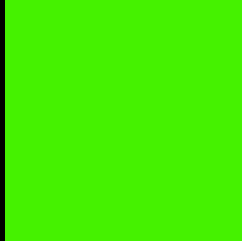
Large Text (above 18pt) WCAG AA × Fail

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 34.2064, 64.7695, 10.6989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

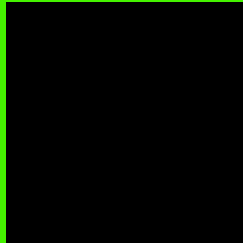
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.2064, 64.7695, 10.6989

Background



This preview shows how black text looks on a background with the XYZ color 34.2064, 64.7695, 10.6989.



This preview shows how white text looks on a background with the XYZ color 34.2064, 64.7695,

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

34.2064, 64.7695, 10.6989

Protanopia

57.0614, 63.2631, 9.2035

Deuteranopia

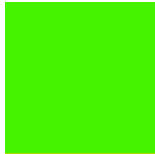
63.8680, 62.9887, 20.3471



Tritanopia

50.7106, 64.2434, 94.5215

Trichromacy



Original Color

34.2064, 64.7695, 10.6989



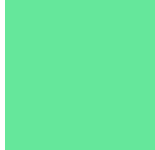
Protanomaly

43.5356, 60.8269, 9.4462



Deuteranomaly

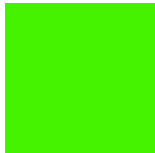
45.6635, 59.5135, 13.6380



Tritanomaly

39.8591, 62.2851, 40.9318

Monochromacy



Original Color

34.2064, 64.7695, 10.6989



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

30.4016, 43.3659, 19.8648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2064, 64.7695, 10.6989 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(69, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(69, 242, 0)  
}
```

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(69, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 242, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.2064, 64.7695, 10.6989 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(69, 242, 0) }
```


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

```
.border{ border-color:rgb(69, 242, 0) }
```

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

Here you see how a box with a 4 pixel rgb(69, 242, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(69, 242, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.2064, 64.7695, 10.6989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 242, 0) }
```

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

```
.background{ background-color: rgb(69, 242,  
0) }
```

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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