

Converting Colors

XYZ(36.7292, 63.3668, 14.8249)

Have a look what the booklet for
XYZ(36.7292, 63.3668, 14.8249)
contains.

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Color

**XYZ(36.6907, 63.3420,
14.8499)**

Conversions

Conversions Part 1

Format	Color
Hex	69EC3E
RGB	105, 236, 62
RGB Percent	41%, 93%, 24%
CMY	0.5882, 0.0745, 0.7568
CMYK	0.56, 0.00, 0.74, 0.07
HSL	105°, 82%, 58%
HSV	105°, 74%, 93%
XYZ	36.6907, 63.3420, 14.8499
YIQ	176.9950, -22.2220, -81.8860

Conversions

Conversions Part 2

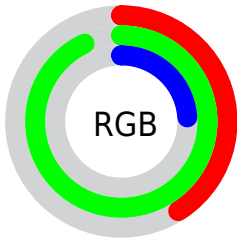
Format	Color
RYB	62, 236, 193
Decimal	6941758
CIELab	83.62, -65.34, 68.81
CIElCh	84, 94.895, 133.518
Yxy	63.3420, 0.3194, 0.5514
Android (android.graphics.Color)	4285131838 (0xFF69EC3E)
YUV	176.9950, -56.6925, -63.1396
Hunter-Lab	79.5877, -56.9882, 44.6487

Details

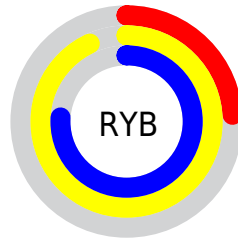
The XYZ color **36.6907, 63.3420, 14.8499** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark washed chartreuse. A complement of this color would be **38.8592, 20.8413, 81.3350**, and the grayscale version is **42.0859, 44.2776, 48.2184**.

A 20% lighter version of the original color is **55.0865, 81.0916, 30.5182**, and **16.5210, 32.4469, 5.3921** is the 20% darker color. If you saturate the color by 10%, you get **34.3053, 62.1735, 12.0609**, and if you desaturate by 10%, it is **39.7961, 64.8531, 19.1418**.

Distribution



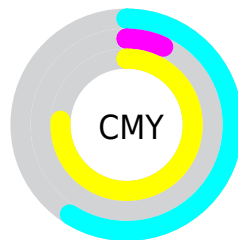
- Red (41%)
- Green (93%)
- Blue (24%)



- Red (24%)
- Yellow (93%)
- Blue (76%)



- Cyan (56%)
- Magenta (0%)
- Yellow (74%)
- Black (7%)




- Cyan (59%)
- Magenta (7%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6907, 63.3420, 14.8499 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 36.6907, 63.3420, 14.8499 by changing the saturation by 10% instead.


 36.6907, 63.3420,
14.8499


 36.6907, 63.3420,
14.8499


323.3483,
436.8096, 234.0653

 25.1407, 46.1179,
8.5687


 69.4137, 109.6628,
35.3282

 16.3112, 32.3389,
4.3680


 91.3175, 139.5283,
50.3624


 9.8369, 21.6205,
1.8293


 117.4032,
174.3763, 69.1512

 5.3524, 13.5783,
0.4472

 148.0362,
214.5914, 92.1134

 2.4923, 7.8280,
0.0000

 183.5818,
260.5579, 119.6673

 0.8914, 3.9851,
0.0000

224.4055,

 0.0000, 1.6652,

312.6602, 152.2316

0.0000

270.8725,
371.2826, 190.2247

■ 0.0000, 0.4010,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.6907, 63.3420,
14.8499

■ 36.6907, 63.3420,
14.8499

■ 34.3053, 62.1735,
12.0609

■ 39.7961, 64.8531,
19.1418


■ 32.5688, 61.3097,
10.5621


■ 43.6744, 66.7245,
25.1040


■ 31.7600, 60.9025,
10.0814


■ 48.3782, 68.9820,
32.8860


■ 53.9539, 71.6467,
42.6198

 60.4444, 74.7381,
54.4251

 67.8894, 78.2742,
68.4119

 76.3265, 82.2723,
84.6826

 85.7910, 86.7485,
103.3328

 89.2868, 88.4735,
106.9789

Harmonies

Analogous

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



51.3485, 63.3420, 6.8376



36.6907, 63.3420, 14.8499



29.4684, 63.3420, 41.3546

Triad

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



36.6907, 63.3420, 14.8499



49.5755, 63.3420, 246.9084



107.9491, 63.3420, 45.5508

Complementary

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



36.6907, 63.3420, 14.8499



38.8592, 20.8413, 81.3350

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.



107.1623, 63.3420, 106.7501



36.6907, 63.3420, 14.8499



70.0247, 63.3420, 250.5076

Square

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



36.6907, 63.3420, 14.8499



35.6511, 63.3420, 181.4225



92.0832, 63.3420, 189.5081



94.0351, 63.3420, 16.4033

Rectangle

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



36.6907, 63.3420, 14.8499



28.5071, 63.3420, 76.2231



92.0832, 63.3420, 189.5081



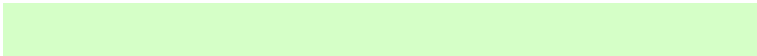
109.4772, 63.3420, 62.1898

Sweetspot

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



36.6922, 63.3447, 14.8513



73.4287, 89.7494, 67.4252



54.4240, 56.1030, 12.5189



15.2313, 18.9792, 13.5328



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.



36.6922, 63.3447, 14.8513



39.8442, 73.5975, 13.3746



34.5597, 62.0483, 23.6565



15.2170, 17.0419, 16.0061



17.6046, 33.6200, 5.5615



1.4677, 2.6840, 0.4407

Inverse Universe

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



38.8592, 20.8413, 81.3350



42.2297, 20.3971, 96.3190



45.8871, 25.1079, 52.5909



15.3302, 15.1155, 19.0318



18.5501, 8.5988, 44.4250



1.5428, 0.7197, 3.4925

Previews

White Background



This preview shows how the XYZ color 36.6907, 63.3420, 14.8499 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 36.6907, 63.3420, 14.8499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

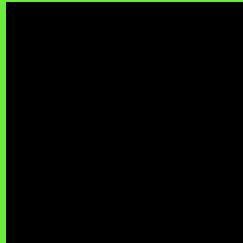
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

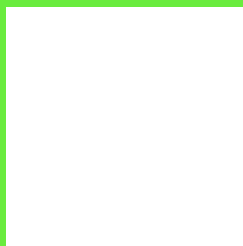
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.6907, 63.3420, 14.8499

Background



This preview shows how black text looks on a background with the XYZ color 36.6907, 63.3420, 14.8499.



This preview shows how white text looks on a background with the XYZ color 36.6907, 63.3420,

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

36.6907, 63.3420, 14.8499

Protanopia

56.2811, 62.0573, 12.6264

Deuteranopia

63.1380, 61.9652, 18.7580



Tritanopia

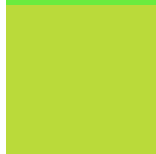
51.6733, 62.8484, 90.2964

Trichromacy



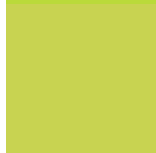
Original Color

36.6907, 63.3420, 14.8499



Protanomaly

46.0848, 60.8874, 13.3265



Deuteranomaly

48.5989, 59.4620, 16.7005



Tritanomaly

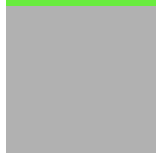
43.5887, 61.9607, 49.7066

Monochromacy



Original Color

36.6907, 63.3420, 14.8499



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

37.3298, 48.7167, 30.3575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6907, 63.3420, 14.8499 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(105, 236, 62)` looks like.

```
.text, #text, p{  
    color:rgb(105, 236, 62)  
}
```

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(105, 236, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 236, 62) }
```

Border

The CSS property to change the border of an element to XYZ 36.6907, 63.3420, 14.8499 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(105, 236, 62) }
```


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

```
.border{ border-color:rgb(105, 236, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 236, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 236, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 236, 62);  
box-shadow:4px 4px 4px 4px rgb(105, 236,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6907, 63.3420, 14.8499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 236, 62) }
```

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

```
.background{ background-color: rgb(105,  
236, 62) }
```

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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