

Converting Colors

XYZ(34.5630, 57.0705, 23.6630)

Have a look what the booklet for
XYZ(34.5630, 57.0705, 23.6630)
contains.

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Color

**XYZ(34.5616, 57.0681,
23.6617)**

Conversions

Conversions Part 1

Format	Color
Hex	63E06D
RGB	99, 224, 109
RGB Percent	39%, 88%, 43%
CMY	0.6118, 0.1216, 0.5725
CMYK	0.56, 0.00, 0.51, 0.12
HSL	125°, 67%, 63%
HSV	125°, 56%, 88%
XYZ	34.5616, 57.0681, 23.6617
YIQ	173.5150, -37.5850, -62.2650

Conversions

Conversions Part 2

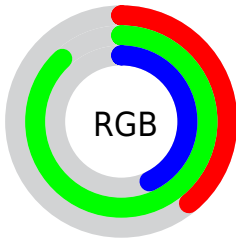
Format	Color
RYB	99, 215, 224
Decimal	6545517
CIELab	80.22, -57.85, 45.65
CIELCh	80, 73.694, 141.724
Yxy	57.0681, 0.2998, 0.4950
Android (android.graphics.Color)	4284735597 (0xFF63E06D)
YUV	173.5150, -31.8059, -65.3497
Hunter-Lab	75.5434, -50.5361, 34.3096

Details

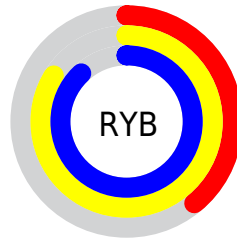
The XYZ color **34.5616, 57.0681, 23.6617** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **47.3416, 29.6270, 66.8432**, and the grayscale version is **40.1563, 42.2475, 46.0075**.

A 20% lighter version of the original color is **56.6689, 81.5353, 47.4014**, and **15.1421, 28.5073, 8.5753** is the 20% darker color. If you saturate the color by 10%, you get **31.4631, 55.5859, 18.3895**, and if you desaturate by 10%, it is **38.6016, 59.0089, 30.3379**.

Distribution



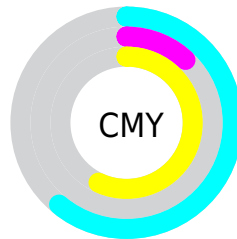
- Red (39%)
- Green (88%)
- Blue (43%)



- Red (39%)
- Yellow (84%)
- Blue (88%)



- Cyan (56%)
- Magenta (0%)
- Yellow (51%)
- Black (12%)



- Cyan (61%)
- Magenta (12%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5616, 57.0681, 23.6617 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 34.5616, 57.0681, 23.6617 by changing the saturation by 10% instead.

■ 34.5616, 57.0681,
23.6617

■ 34.5616, 57.0681,
23.6617

314.1710,
413.7044, 284.3369

■ 23.4903, 41.0599,
14.8730

■ 66.1446, 100.5645,
50.4145

■ 15.0786, 28.3659,
8.5847

■ 87.3869, 128.8216,
69.2156

■ 8.9613, 18.6017,
4.3782

■ 112.7504,
161.9304, 92.1913

■ 4.7728, 11.3828,
1.8350

■ 142.6002,
200.2754, 119.7601

■ 2.1480, 6.3249,
0.4509

177.3019,
244.2408, 152.3405

■ 0.7151, 3.0437,
0.0000

217.2207,

■ 0.0000, 1.1546,

294.2112, 190.3511

0.0000

262.7219,
350.5710, 234.2104

■ 0.0000, 0.0241,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.5616, 57.0681,
23.6617

■ 34.5616, 57.0681,
23.6617

■ 31.4631, 55.5859,
18.3895

■ 38.6016, 59.0089,
30.3379

■ 29.2258, 54.5181,
14.4176


■ 43.6466, 61.4341,
38.5045


■ 27.7630, 53.8241,
11.6342


■ 49.7594, 64.3762,
48.2452


■ 26.9673, 53.4514,
9.9069

■ 56.9967, 67.8625,
59.6366

 26.7653, 53.3570,
9.4572

 65.4109, 71.9186,
72.7504

 75.0513, 76.5685,
87.6537

 85.6678, 81.6820,
104.3966

 85.9468, 81.7936,
105.8656

Harmonies

Analogous

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



44.2277, 57.0681, 12.5887



34.5616, 57.0681, 23.6617



30.3644, 57.0681, 50.9634

Triad

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



34.5616, 57.0681, 23.6617



50.1849, 57.0681, 185.3878



85.7807, 57.0681, 36.2503

Complementary

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



34.5616, 57.0681, 23.6617



47.3416, 29.6270, 66.8432

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.



88.1815, 57.0681, 74.8360



34.5616, 57.0681, 23.6617



65.6631, 57.0681, 175.1798

Square

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



34.5616, 57.0681, 23.6617



38.2294, 57.0681, 152.4519



80.2542, 57.0681, 128.8448



74.1967, 57.0681, 17.1644

Rectangle

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



34.5616, 57.0681, 23.6617



30.5701, 57.0681, 80.5284



80.2542, 57.0681, 128.8448



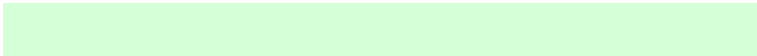
87.7645, 57.0681, 46.7842

Sweetspot

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



34.5630, 57.0705, 23.6630



75.0916, 90.3775, 77.8568



57.1307, 68.7633, 22.0662



15.6343, 19.1333, 15.9765



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.



34.5630, 57.0705, 23.6630



41.6257, 74.2902, 23.6564



39.0427, 58.8624, 47.2529



13.5731, 15.3550, 14.7870



15.5953, 31.0630, 5.5921



1.0967, 2.1594, 0.4703

Inverse Universe

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



47.3416, 29.6270, 66.8432



60.3484, 33.9945, 86.8583



40.9675, 27.0774, 33.2775



14.2452, 13.9157, 17.0615



24.4034, 11.8283, 35.1194



1.7057, 0.8256, 2.5092

Previews

White Background



This preview shows how the XYZ color 34.5616, 57.0681, 23.6617 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 34.5616, 57.0681, 23.6617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

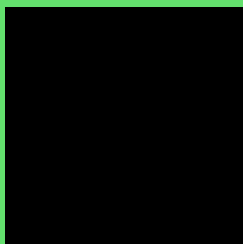
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.5616, 57.0681, 23.6617

Background



This preview shows how black text looks on a background with the XYZ color 34.5616, 57.0681, 23.6617.

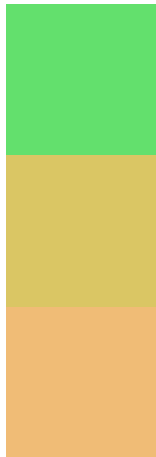


This preview shows how white text looks on a background with the XYZ color 34.5616, 57.0681,

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

34.5616, 57.0681, 23.6617

Protanopia

51.4078, 56.2137, 20.1974

Deuteranopia

57.1884, 55.7997, 24.8958



Tritanopia

46.0503, 56.7020, 81.9163

Trichromacy



Original Color

34.5616, 57.0681, 23.6617



Protanomaly

42.4402, 54.7189, 21.1569



Deuteranomaly

44.9674, 53.8299, 24.2398



Tritanomaly

40.6489, 56.3964, 54.6421

Monochromacy



Original Color

34.5616, 57.0681, 23.6617



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

36.3873, 46.1043, 35.8354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5616, 57.0681, 23.6617 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(99, 224, 109)` looks like.

```
.text, #text, p{  
    color:rgb(99, 224, 109)  
}
```

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(99, 224, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 224, 109) }
```

Border

The CSS property to change the border of an element to XYZ 34.5616, 57.0681, 23.6617 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(99, 224, 109) }
```


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

```
.border{ border-color:rgb(99, 224, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 224, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 224, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 224, 109);  
box-shadow:4px 4px 4px 4px rgb(99, 224,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5616, 57.0681, 23.6617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 224, 109) }
```

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

```
.background{ background-color: rgb(99, 224,  
109) }
```

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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