

Converting Colors

XYZ(35.8302, 63.4567, 11.9950)

Have a look what the booklet for
XYZ(35.8302, 63.4567, 11.9950)
contains.

XYZ(35.7482, 63.3484, 12.0124)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.7482, 63.3484,
12.0124)**

Conversions

Conversions Part 1

Format	Color
Hex	63ED24
RGB	99, 237, 36
RGB Percent	39%, 93%, 14%
CMY	0.6118, 0.0706, 0.8588
CMYK	0.58, 0.00, 0.85, 0.07
HSL	101°, 85%, 54%
HSV	101°, 85%, 93%
XYZ	35.7482, 63.3484, 12.0124
YIQ	172.8240, -17.7270, -91.7670

Conversions

Conversions Part 2

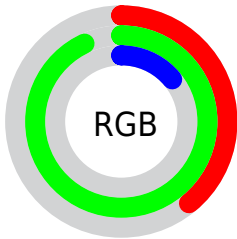
Format	Color
RYB	36, 237, 174
Decimal	6548772
CIELab	83.63, -68.50, 75.85
CIELCh	84, 102.201, 132.087
Yxy	63.3484, 0.3217, 0.5701
Android (android.graphics.Color)	4284738852 (0xFF63ED24)
YUV	172.8240, -67.4542, -64.7436
Hunter-Lab	79.5917, -59.1131, 46.7658

Details

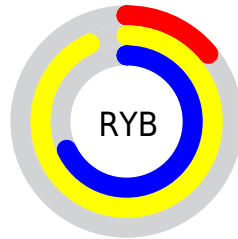
The XYZ color **35.7482, 63.3484, 12.0124** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **33.3773, 16.3778, 81.5263**, and the grayscale version is **39.9722, 42.0538, 45.7966**.

A 20% lighter version of the original color is **53.2625, 80.2658, 25.2560**, and **16.3213, 32.6425, 5.4404** is the 20% darker color. If you saturate the color by 10%, you get **33.8970, 62.4249, 10.6206**, and if you desaturate by 10%, it is **38.1997, 64.5576, 14.6827**.

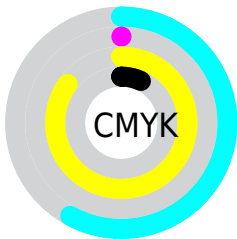
Distribution



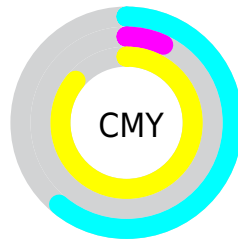
- Red (39%)
- Green (93%)
- Blue (14%)



- Red (14%)
- Yellow (93%)
- Blue (68%)



- Cyan (58%)
- Magenta (0%)
- Yellow (85%)
- Black (7%)





- Cyan (61%)
- Magenta (7%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7482, 63.3484, 12.0124 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 35.7482, 63.3484, 12.0124 by changing the saturation by 10% instead.


 35.7482, 63.3484,
12.0124


 35.7482, 63.3484,
12.0124


319.3091,
436.8328, 215.4682


 24.4090, 46.1231,
6.6295


 67.9697, 109.6720,
30.1824


 15.7637, 32.3430,
3.1566


 89.5826, 139.5391,
43.8066


 9.4469, 21.6236,
1.1751


 115.3509,
174.3889, 61.0150

 5.0932, 13.5806,
0.0000

 145.6398,
214.6059, 82.2260

 2.3374, 7.8296,
0.0000

 180.8147,
260.5743, 107.8583

 0.8137, 3.9861,
0.0000

 221.2410,

 0.0000, 1.6658,

312.6787, 138.3304

0.0000

267.2840,
371.3034, 174.0609

■ 0.0000, 0.4013,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.7482, 63.3484,
12.0124

■ 35.7482, 63.3484,
12.0124

■ 33.8970, 62.4249,
10.6206

■ 38.1997, 64.5576,
14.6827

■ 33.1306, 62.0377,
10.2283

■ 41.3077, 66.0709,
18.8433

■ 45.1253, 67.9140,
24.6716

■ 49.6985, 70.1070,
32.3192

■ 55.0687, 72.6685,
41.9209

■ 61.2744, 75.6156,
53.5984

■ 68.3511, 78.9642,
67.4636

■ 76.3323, 82.7293,
83.6205

■ 85.2499, 86.9252,
102.1663

Harmonies

Analogous

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



51.6496, 63.3484, 5.0448



35.7482, 63.3484, 12.0124



27.8689, 63.3484, 37.6152

Triad

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



35.7482, 63.3484, 12.0124



47.9328, 63.3484, 264.9709



112.7894, 63.3484, 46.2725

Complementary

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



35.7482, 63.3484, 12.0124



33.3773, 16.3778, 81.5263

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.



111.0799, 63.3484, 114.1954



35.7482, 63.3484, 12.0124



69.6692, 63.3484, 272.9934

Square

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



35.7482, 63.3484, 12.0124



33.6101, 63.3484, 188.7842



93.8664, 63.3484, 206.6294



98.0813, 63.3484, 14.9881

Rectangle

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



35.7482, 63.3484, 12.0124



26.6571, 63.3484, 73.5583



93.8664, 63.3484, 206.6294



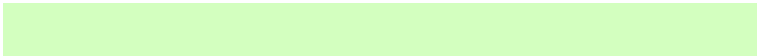
114.2003, 63.3484, 64.5874

Sweetspot

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



35.7497, 63.3511, 12.0138



72.1209, 89.1752, 62.8459



50.2573, 48.1570, 8.3164



14.8612, 18.8141, 12.3545



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.



35.7497, 63.3511, 12.0138



39.0609, 73.2217, 12.0745



32.2115, 61.4255, 16.4377



15.3125, 17.0911, 16.0106



18.2065, 33.9303, 5.5896



1.5256, 2.7138, 0.4434

Inverse Universe

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



33.3773, 16.3778, 81.5263



35.7488, 16.3441, 95.8783



46.0014, 23.4452, 56.8400



15.2290, 15.0633, 19.0271



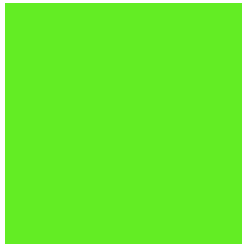
16.7030, 7.6466, 44.3386



1.4100, 0.6512, 3.4862

Previews

White Background



This preview shows how the XYZ color 35.7482, 63.3484, 12.0124 looks on a white background.

Color Contrast Check

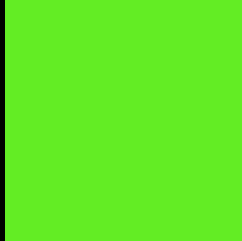
Large Text (above 18pt) WCAG AA × Fail

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 35.7482, 63.3484, 12.0124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

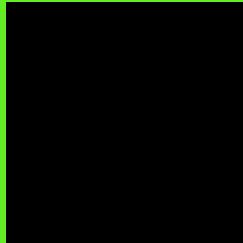
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

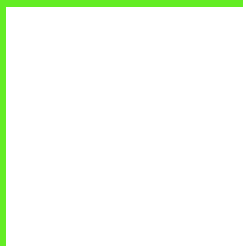
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7482, 63.3484, 12.0124

Background



This preview shows how black text looks on a background with the XYZ color 35.7482, 63.3484, 12.0124.



This preview shows how white text looks on a background with the XYZ color 35.7482, 63.3484,

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

35.7482, 63.3484, 12.0124

Protanopia

56.1149, 62.0284, 10.0520

Deuteranopia

62.9677, 61.8971, 17.8611



Tritanopia

51.4424, 63.1202, 90.3610

Trichromacy



Original Color

35.7482, 63.3484, 12.0124



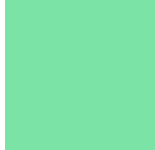
Protanomaly

45.0729, 60.4269, 10.5163



Deuteranomaly

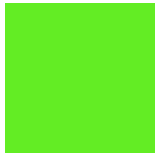
47.9064, 59.5224, 14.5943



Tritanomaly

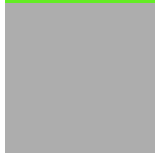
42.4290, 61.8657, 45.3024

Monochromacy



Original Color

35.7482, 63.3484, 12.0124



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.1691, 47.0209, 25.9612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7482, 63.3484, 12.0124 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, 237, 36)` looks like.

```
.text, #text, p{  
    color:rgb(99, 237, 36)  
}
```

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, 237, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 237, 36) }
```

Border

The CSS property to change the border of an element to XYZ 35.7482, 63.3484, 12.0124 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, 237, 36) }
```


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

```
.border{ border-color:rgb(99, 237, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 237, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 237, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 237, 36);  
box-shadow:4px 4px 4px 4px rgb(99, 237,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7482, 63.3484, 12.0124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 237, 36) }
```

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

```
.background{ background-color: rgb(99, 237,  
36) }
```

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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