

Converting Colors

XYZ(36.2559, 63.5051, 15.9837)

Have a look what the booklet for
XYZ(36.2559, 63.5051, 15.9837)
contains.

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Color

**XYZ(36.2881, 63.5394,
15.9820)**

Conversions

Conversions Part 1

Format	Color
Hex	61ED45
RGB	97, 237, 69
RGB Percent	38%, 93%, 27%
CMY	0.6196, 0.0706, 0.7294
CMYK	0.59, 0.00, 0.71, 0.07
HSL	110°, 82%, 60%
HSV	110°, 71%, 93%
XYZ	36.2881, 63.5394, 15.9820
YIQ	175.9880, -29.5120, -81.9280

Conversions

Conversions Part 2

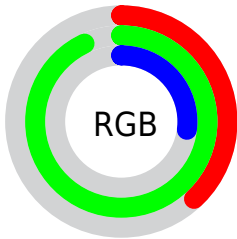
Format	Color
RYB	69, 237, 209
Decimal	6417733
CIELab	83.73, -67.12, 66.44
CIElCh	84, 94.446, 135.294
Yxy	63.5394, 0.3133, 0.5487
Android (android.graphics.Color)	4284607813 (0xFF61ED45)
YUV	175.9880, -52.7451, -69.2725
Hunter-Lab	79.7116, -58.2345, 43.9106

Details

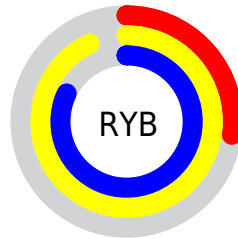
The XYZ color **36.2881, 63.5394, 15.9820** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **43.7127, 23.9286, 82.4389**, and the grayscale version is **41.5396, 43.7028, 47.5924**.

A 20% lighter version of the original color is **54.0231, 80.4999, 32.4294**, and **16.3213, 32.6425, 5.4404** is the 20% darker color. If you saturate the color by 10%, you get **33.8457, 62.3509, 12.7647**, and if you desaturate by 10%, it is **39.5510, 65.1208, 20.7729**.

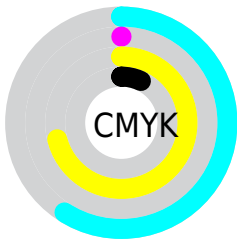
Distribution



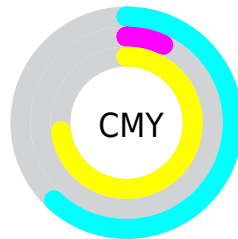
- Red (38%)
- Green (93%)
- Blue (27%)



- Red (27%)
- Yellow (93%)
- Blue (82%)



- Cyan (59%)
- Magenta (0%)
- Yellow (71%)
- Black (7%)





- Cyan (62%)
- Magenta (7%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2881, 63.5394, 15.9820 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 36.2881, 63.5394, 15.9820 by changing the saturation by 10% instead.


 36.2881, 63.5394,
15.9820


 36.2881, 63.5394,
15.9820


321.6273,
437.5244, 241.0776


 24.8279, 46.2777,
9.3572


 68.7975, 109.9473,
37.3333

 16.0769, 32.4650,
4.8749


 90.5774, 139.8624,
52.8969


 9.6698, 21.7169,
2.1166


 116.5279,
174.7640, 72.2772

 5.2412, 13.6491,
0.6256

 147.0144,
215.0366, 95.8926

 2.4257, 7.8770,
0.0000

 182.4023,
261.0645, 124.1619

 0.8579, 4.0163,
0.0000

223.0568,

 0.0000, 1.6827,

313.2322, 157.5034

0.0000

269.3434,
371.9240, 196.3358

■ 0.0000, 0.4124,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.2881, 63.5394,
15.9820

■ 36.2881, 63.5394,
15.9820

■ 33.8457, 62.3509,
12.7647

■ 39.5510, 65.1208,
20.7729


■ 32.1424, 61.5119,
10.9182


■ 43.6967, 67.1178,
27.2994


■ 31.1409, 61.0120,
10.1352


■ 48.7865, 69.5608,
35.7078

■ 54.8745, 72.4750,
46.1280

 62.0112, 75.8837,
58.6782

 70.2431, 79.8086,
73.4678

 79.6141, 84.2700,
90.5982

 89.5755, 89.0509,
107.0752

Harmonies

Analogous

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



50.4890, 63.5394, 7.1901



36.2881, 63.5394, 15.9820



29.4917, 63.5394, 44.0898

Triad

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



36.2881, 63.5394, 15.9820



50.8398, 63.5394, 248.4184



107.5032, 63.5394, 43.2588

Complementary

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



36.2881, 63.5394, 15.9820



43.7127, 23.9286, 82.4389

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.



107.6584, 63.5394, 102.3491



36.2881, 63.5394, 15.9820



71.5126, 63.5394, 247.7095

Square

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



36.2881, 63.5394, 15.9820



36.4940, 63.5394, 185.9597



93.3327, 63.5394, 184.3662



92.9474, 63.5394, 15.6728

Rectangle

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



36.2881, 63.5394, 15.9820



28.7939, 63.5394, 80.2442



93.3327, 63.5394, 184.3662



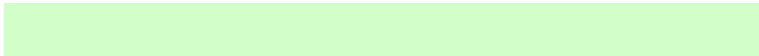
109.3347, 63.5394, 59.1892

Sweetspot

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



36.2896, 63.5421, 15.9834



73.0403, 89.5147, 68.9647



58.8025, 64.0383, 14.8926



15.1079, 18.9089, 13.8295



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.



36.2896, 63.5421, 15.9834



38.9663, 73.1320, 13.9171



36.4422, 63.3172, 29.7046



15.1022, 16.9827, 16.0007



17.0744, 33.3466, 5.5366



1.4100, 2.6542, 0.4380

Inverse Universe

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



43.7127, 23.9286, 82.4389



47.9293, 23.6641, 96.6492



45.3960, 25.5987, 46.2672



15.4541, 15.1794, 19.0376



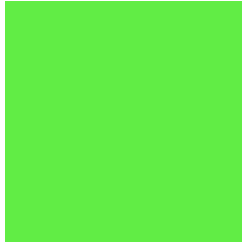
21.0861, 9.9062, 44.5437



1.7212, 0.8116, 3.5008

Previews

White Background



This preview shows how the XYZ color 36.2881, 63.5394, 15.9820 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 36.2881, 63.5394, 15.9820 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

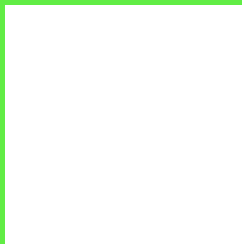
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2881, 63.5394, 15.9820

Background



This preview shows how black text looks on a background with the XYZ color 36.2881, 63.5394, 15.9820.

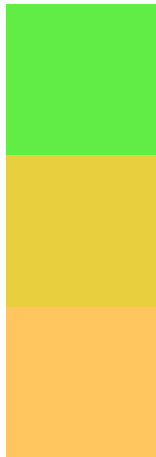


This preview shows how white text looks on a background with the XYZ color 36.2881, 63.5394,

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

36.2881, 63.5394, 15.9820

Protanopia

56.4338, 62.1184, 13.4305

Deuteranopia

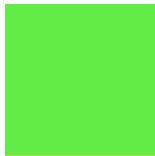
63.2718, 62.0187, 19.4625



Tritanopia

51.1093, 62.9314, 91.1146

Trichromacy



Original Color

36.2881, 63.5394, 15.9820



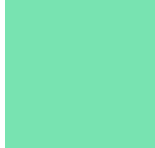
Protanomaly

45.5253, 60.5803, 14.1442



Deuteranomaly

48.5119, 59.7646, 17.7830



Tritanomaly

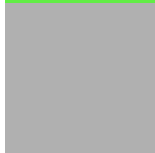
43.1506, 62.1056, 51.3083

Monochromacy



Original Color

36.2881, 63.5394, 15.9820



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

36.7421, 48.3974, 31.0720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2881, 63.5394, 15.9820 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(97, 237, 69)` looks like.

```
.text, #text, p{  
    color:rgb(97, 237, 69)  
}
```

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(97, 237, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 237, 69) }
```

Border

The CSS property to change the border of an element to XYZ 36.2881, 63.5394, 15.9820 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(97, 237, 69) }
```


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

```
.border{ border-color:rgb(97, 237, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 237, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 237, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 237, 69);  
box-shadow:4px 4px 4px 4px rgb(97, 237,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2881, 63.5394, 15.9820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 237, 69) }
```

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

```
.background{ background-color: rgb(97, 237,  
69) }
```

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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