

Converting Colors

XYZ(36.2808, 62.9070, 17.5946)

Have a look what the booklet for
XYZ(36.2808, 62.9070, 17.5946)
contains.

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Color

**XYZ(36.4437, 63.1521,
17.6659)**

Conversions

Conversions Part 1

Format	Color
Hex	62EC4F
RGB	98, 236, 79
RGB Percent	38%, 93%, 31%
CMY	0.6157, 0.0745, 0.6902
CMYK	0.58, 0.00, 0.67, 0.07
HSL	113°, 81%, 62%
HSV	113°, 67%, 93%
XYZ	36.4437, 63.1521, 17.6659
YIQ	176.8400, -31.8510, -78.0830

Conversions

Conversions Part 2

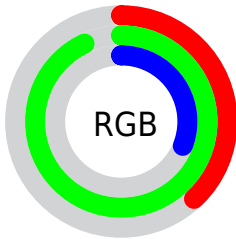
Format	Color
RYB	79, 236, 217
Decimal	6483023
CIELab	83.52, -65.73, 62.51
CIElCh	84, 90.708, 136.440
Yxy	63.1521, 0.3108, 0.5386
Android (android.graphics.Color)	4284673103 (0xFF62EC4F)
YUV	176.8400, -48.2351, -69.1427
Hunter-Lab	79.4683, -57.2105, 42.4476

Details

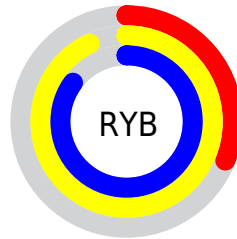
The XYZ color **36.4437, 63.1521, 17.6659** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **46.5555, 26.4023, 82.0027**, and the grayscale version is **41.9645, 44.1500, 48.0793**.

A 20% lighter version of the original color is **54.8311, 80.8463, 35.6367**, and **16.1999, 32.2750, 5.6630** is the 20% darker color. If you saturate the color by 10%, you get **33.7772, 61.8616, 13.8257**, and if you desaturate by 10%, it is **39.9980, 64.8688, 23.1412**.

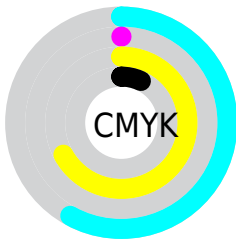
Distribution



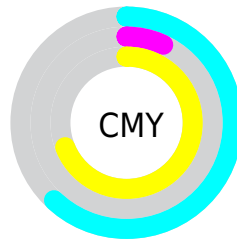
- Red (38%)
- Green (93%)
- Blue (31%)



- Red (31%)
- Yellow (93%)
- Blue (85%)



- Cyan (58%)
- Magenta (0%)
- Yellow (67%)
- Black (7%)



- Cyan (62%)
- Magenta (7%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4437, 63.1521, 17.6659 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 36.4437, 63.1521, 17.6659 by changing the saturation by 10% instead.


 36.4437, 63.1521,
17.6659


 36.4437, 63.1521,
17.6659


322.2933,
436.1213, 251.1536


 24.9488, 45.9643,
10.5434


 69.0358, 109.3889,
40.2734


 16.1674, 32.2176,
5.6504


 90.8636, 139.2067,
56.5956


 9.7343, 21.5278,
2.5684


 116.8664,
174.0032, 76.8213

 5.2841, 13.5103,
0.8761

 147.4096,
214.1629, 101.3693

 2.4513, 7.7809,
0.0000

 182.8586,
260.0702, 130.6579

 0.8708, 3.9551,
0.0000

223.5786,

 0.0000, 1.6485,

312.1094, 165.1059

0.0000

269.9350,
370.6650, 205.1316

■ 0.0000, 0.3899,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.4437, 63.1521,
17.6659

■ 36.4437, 63.1521,
17.6659

■ 33.7772, 61.8616,
13.8257

■ 39.9980, 64.8688,
23.1412

■ 31.9143, 60.9522,
11.4355


■ 44.5054, 67.0364,
30.4020


■ 30.7611, 60.3823,
10.2693


■ 50.0305, 69.6871,
39.5865


■ 30.4909, 60.2483,
10.0220

■ 56.6304, 72.8478,
50.8181

 64.3585, 76.5433,
64.2099

 73.2642, 80.7971,
79.8668

 83.3941, 85.6309,
97.8868

 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.



49.8799, 63.1521, 8.2384



36.4437, 63.1521, 17.6659



30.0963, 63.1521, 46.2324

Triad

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



36.4437, 63.1521, 17.6659



51.5320, 63.1521, 238.5807



104.4513, 63.1521, 42.2865

Complementary

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



36.4437, 63.1521, 17.6659



46.5555, 26.4023, 82.0027

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.



105.1697, 63.1521, 97.6292



36.4437, 63.1521, 17.6659



71.4582, 63.1521, 235.3438

Square

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



36.4437, 63.1521, 17.6659



37.4228, 63.1521, 181.9220



92.0607, 63.1521, 174.6075



90.2724, 63.1521, 16.1452

Rectangle

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



36.4437, 63.1521, 17.6659



29.5810, 63.1521, 81.7332



92.0607, 63.1521, 174.6075



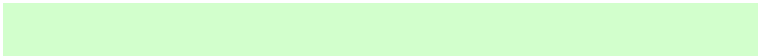
106.3675, 63.1521, 57.2411

Sweetspot

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



36.4452, 63.1548, 17.6673



73.2859, 89.6063, 70.5599



60.3236, 67.0354, 17.1578



15.1295, 18.9132, 14.1380



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.



36.4452, 63.1548, 17.6673



39.3128, 73.2825, 15.2049



37.7063, 63.4499, 33.7658



15.0376, 16.9494, 15.9977



16.8628, 33.2376, 5.5267



1.3794, 2.6384, 0.4366

Inverse Universe

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



46.5555, 26.4023, 82.0027



51.9693, 26.4634, 96.9766



45.4699, 26.6583, 45.0995



15.5250, 15.2159, 19.0410



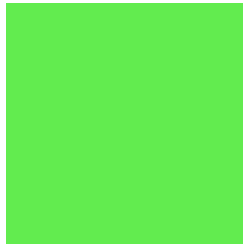
22.6725, 10.7240, 44.6179



1.8309, 0.8682, 3.5059

Previews

White Background



This preview shows how the XYZ color 36.4437, 63.1521, 17.6659 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 36.4437, 63.1521, 17.6659 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

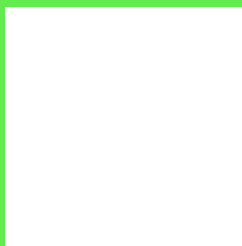
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4437, 63.1521, 17.6659

Background



This preview shows how black text looks on a background with the XYZ color 36.4437, 63.1521, 17.6659.

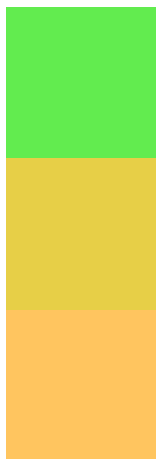


This preview shows how white text looks on a background with the XYZ color 36.4437, 63.1521,

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

36.4437, 63.1521, 17.6659

Protanopia

56.4052, 62.0695, 14.9690

Deuteranopia

63.2718, 62.0187, 19.4625



Tritanopia

50.9619, 62.8725, 90.3385

Trichromacy



Original Color

36.4437, 63.1521, 17.6659



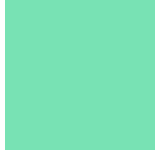
Protanomaly

45.8359, 60.7045, 15.7799



Deuteranomaly

48.3861, 59.3156, 18.3500



Tritanomaly

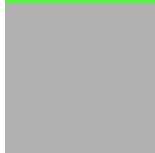
43.1803, 61.6811, 52.8098

Monochromacy



Original Color

36.4437, 63.1521, 17.6659



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

37.2145, 48.6072, 32.6200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4437, 63.1521, 17.6659 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(98, 236, 79)` looks like.

```
.text, #text, p{  
    color:rgb(98, 236, 79)  
}
```

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(98, 236, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 236, 79) }
```

Border

The CSS property to change the border of an element to XYZ 36.4437, 63.1521, 17.6659 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(98, 236, 79) }
```


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

```
.border{ border-color:rgb(98, 236, 79) }
```

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

Here you see how a box with a 4 pixel rgb(98, 236, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 236, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 236, 79);  
box-shadow:4px 4px 4px 4px rgb(98, 236,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4437, 63.1521, 17.6659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 236, 79) }
```

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

```
.background{ background-color: rgb(98, 236,  
79) }
```

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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