

Converting Colors

XYZ(36.7651, 67.1566, 22.5355)

Have a look what the booklet for
XYZ(36.7651, 67.1566, 22.5355)
contains.

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Color

**XYZ(36.7815, 67.1788,
22.5835)**

Conversions

Conversions Part 1

Format	Color
Hex	3DF562
RGB	61, 245, 98
RGB Percent	24%, 96%, 38%
CMY	0.7608, 0.0392, 0.6157
CMYK	0.75, 0.00, 0.60, 0.04
HSL	132°, 90%, 60%
HSV	132°, 75%, 96%
XYZ	36.7815, 67.1788, 22.5835
YIQ	173.2260, -62.4770, -84.7250

Conversions

Conversions Part 2

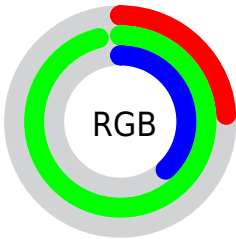
Format	Color
RYB	61, 214, 245
Decimal	4060514
CIELab	85.59, -73.54, 56.77
CIELCh	86, 92.908, 142.332
Yxy	67.1788, 0.2907, 0.5309
Android (android.graphics.Color)	4282250594 (0xFF3DF562)
YUV	173.2260, -37.0864, -98.4222
Hunter-Lab	81.9627, -63.3312, 41.0375

Details

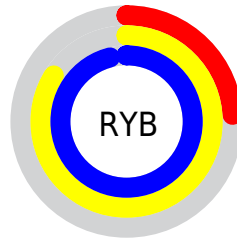
The XYZ color **36.7815, 67.1788, 22.5835** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **50.7119, 27.3051, 62.2732**, and the grayscale version is **40.0437, 42.1291, 45.8785**.

A 20% lighter version of the original color is **51.5014, 78.9708, 42.6655**, and **18.1882, 35.7078, 8.1242** is the 20% darker color. If you saturate the color by 10%, you get **34.7896, 66.2479, 18.2425**, and if you desaturate by 10%, it is **39.6908, 68.5604, 28.1498**.

Distribution



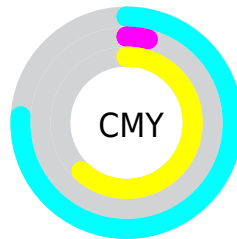
- Red (24%)
- Green (96%)
- Blue (38%)



- Red (24%)
- Yellow (84%)
- Blue (96%)



- Cyan (75%)
- Magenta (0%)
- Yellow (60%)
- Black (4%)



- Cyan (76%)
- Magenta (4%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7815, 67.1788, 22.5835 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 36.7815, 67.1788, 22.5835 by changing the saturation by 10% instead.

36.7815, 67.1788,
22.5835

36.7815, 67.1788,
22.5835

323.7356,
450.5809, 278.6307

25.2113, 49.2299,
14.0839

69.5526, 115.1766,
48.6230

16.3641, 34.8019,
8.0396

91.4842, 145.9943,
67.0000

9.8746, 23.5103,
4.0322

117.6003,
181.8704, 89.5065

5.3775, 14.9708,
1.6430

148.2662,
223.1893, 116.5610

2.5075, 8.7989,
0.3212

183.8474,
270.3355, 148.5822

0.8990, 4.6102,
0.0000

224.7091,

0.0000, 2.0204,

323.6932, 185.9885

0.0000

271.2167,
383.6469, 229.1985

■ 0.0000, 0.6193,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.7815, 67.1788,
22.5835

■ 36.7815, 67.1788,
22.5835

■ 34.7896, 66.2479,
18.2425

■ 39.6908, 68.5604,
28.1498


■ 33.5911, 65.7000,
15.0292


■ 43.6107, 70.4331,
35.0203


■ 33.2138, 65.5315,
13.8340


■ 48.6279, 72.8422,
43.2722

■ 54.8185, 75.8252,
52.9756

 62.2514, 79.4163,
64.1958

 70.9904, 83.6472,
76.9941

 81.0946, 88.5471,
91.4283

 91.8781, 93.7612,
107.5188

 91.9437, 93.7875,
107.8646

Harmonies

Analogous

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



49.6202, 67.1788, 9.6670



36.7815, 67.1788, 22.5835



31.4492, 67.1788, 58.6894

Triad

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



36.7815, 67.1788, 22.5835



58.5809, 67.1788, 259.7613



109.3046, 67.1788, 37.2343

Complementary

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



36.7815, 67.1788, 22.5835



50.7119, 27.3051, 62.2732

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.



113.1919, 67.1788, 89.8013



36.7815, 67.1788, 22.5835



80.5726, 67.1788, 242.2711

Square

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



36.7815, 67.1788, 22.5835



42.0971, 67.1788, 209.3762



101.7269, 67.1788, 169.8163



92.0455, 67.1788, 14.2822

Rectangle

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



36.7815, 67.1788, 22.5835



31.8088, 67.1788, 100.9283



101.7269, 67.1788, 169.8163



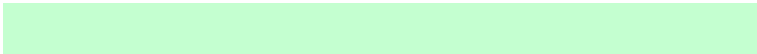
112.3527, 67.1788, 50.9967

Sweetspot

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



36.7831, 67.1816, 22.5850



70.0191, 87.8639, 73.0368



59.5659, 79.0839, 16.5404



14.2989, 18.4737, 14.6113



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.



36.7831, 67.1816, 22.5850



37.3317, 72.1964, 18.0393



43.8511, 70.0088, 59.8046



16.4184, 18.5265, 18.2219



17.9313, 35.3174, 7.6581



1.6111, 3.1181, 0.8582

Inverse Universe

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



50.7119, 27.3051, 62.2732



53.0882, 26.5727, 62.5539



42.4907, 24.0166, 18.9810



17.0624, 16.7078, 20.0754



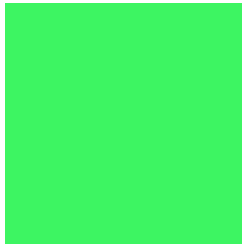
25.6883, 12.6187, 29.3965



2.2931, 1.1232, 2.7700

Previews

White Background



This preview shows how the XYZ color 36.7815, 67.1788, 22.5835 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 36.7815, 67.1788, 22.5835 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 36.7815, 67.1788, 22.5835

Background



This preview shows how black text looks on a background with the XYZ color 36.7815, 67.1788, 22.5835.

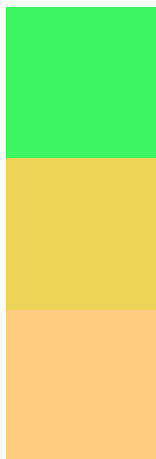


This preview shows how white text looks on a background with the XYZ color 36.7815, 67.1788,

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

36.7815, 67.1788, 22.5835

Protanopia

59.8970, 65.6244, 18.7424

Deuteranopia

66.4267, 65.5042, 29.2212



Tritanopia

51.9222, 66.8157, 98.9671

Trichromacy



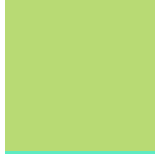
Original Color

36.7815, 67.1788, 22.5835



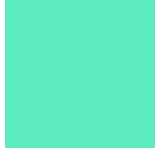
Protanomaly

45.6007, 62.8547, 19.8540



Deuteranomaly

47.9910, 61.5941, 25.8825



Tritanomaly

43.8482, 65.5941, 60.8020

Monochromacy



Original Color

36.7815, 67.1788, 22.5835



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.1275, 47.8277, 34.5744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7815, 67.1788, 22.5835 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(61, 245, 98)` looks like.

```
.text, #text, p{  
    color:rgb(61, 245, 98)  
}
```

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(61, 245, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 245, 98) }
```

Border

The CSS property to change the border of an element to XYZ 36.7815, 67.1788, 22.5835 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(61, 245, 98) }
```


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

```
.border{ border-color:rgb(61, 245, 98) }
```

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

Here you see how a box with a 4 pixel rgb(61, 245, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 245, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 245, 98);  
box-shadow:4px 4px 4px 4px rgb(61, 245,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7815, 67.1788, 22.5835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 245, 98) }
```

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

```
.background{ background-color: rgb(61, 245,  
98) }
```

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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