

Converting Colors

XYZ(36.5398, 62.7098, 20.7672)

Have a look what the booklet for
XYZ(36.5398, 62.7098, 20.7672)
contains.

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Color

**XYZ(36.5526, 62.7116,
20.7677)**

Conversions

Conversions Part 1

Format	Color
Hex	60EB5E
RGB	96, 235, 94
RGB Percent	38%, 92%, 37%
CMY	0.6235, 0.0784, 0.6314
CMYK	0.59, 0.00, 0.60, 0.08
HSL	119°, 78%, 65%
HSV	119°, 60%, 92%
XYZ	36.5526, 62.7116, 20.7677
YIQ	177.3650, -37.5830, -73.3190

Conversions

Conversions Part 2

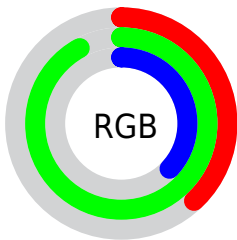
Format	Color
RYB	94, 235, 233
Decimal	6351710
CIELab	83.29, -64.37, 56.06
CIELCh	83, 85.363, 138.945
Yxy	62.7116, 0.3045, 0.5225
Android (android.graphics.Color)	4284541790 (0xFF60EB5E)
YUV	177.3650, -41.0989, -71.3571
Hunter-Lab	79.1907, -56.1921, 39.8847

Details

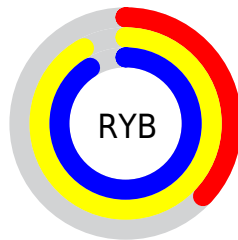
The XYZ color **36.5526, 62.7116, 20.7677** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **52.6058, 31.3295, 81.8751**, and the grayscale version is **42.2071, 44.4052, 48.3573**.

A 20% lighter version of the original color is **55.2854, 80.9590, 41.1466**, and **16.2702, 31.9807, 7.1491** is the 20% darker color. If you saturate the color by 10%, you get **33.5661, 61.2777, 15.9367**, and if you desaturate by 10%, it is **40.5811, 64.6493, 27.3253**.

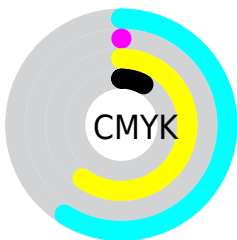
Distribution



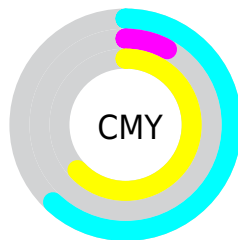
- Red (38%)
- Green (92%)
- Blue (37%)



- Red (37%)
- Yellow (92%)
- Blue (91%)



- Cyan (59%)
- Magenta (0%)
- Yellow (60%)
- Black (8%)





- Cyan (62%)
- Magenta (8%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5526, 62.7116, 20.7677 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 36.5526, 62.7116, 20.7677 by changing the saturation by 10% instead.


 36.5526, 62.7116,
20.7677


 36.5526, 62.7116,
20.7677


322.7587,
434.5221, 268.7817


 25.0334, 45.6079,
12.7647


 69.2025, 108.7533,
45.5764


 16.2308, 31.9365,
7.1379


 91.0638, 138.4602,
63.2191

 9.7795, 21.3130,
3.4687


 117.1032,
173.1369, 84.9122

 5.3141, 13.3530,
1.3387

 147.6860,
213.1679, 111.0742

 2.4694, 7.6721,
0.0932

183.1776,
258.9375, 142.1236

 0.8798, 3.8858,
0.0000

223.9434,

 0.0000, 1.6099,

310.8301, 178.4790

0.0000

270.3486,
369.2302, 220.5588

■ 0.0000, 0.3643,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.5526, 62.7116,
20.7677

■ 36.5526, 62.7116,
20.7677

■ 33.5661, 61.2777,
15.9367

■ 40.5811, 64.6493,
27.3253

■ 31.5217, 60.2941,
12.6662


■ 45.7308, 67.1230,
35.7470


■ 30.3082, 59.7093,
10.7649


■ 52.0782, 70.1713,
46.1614


■ 29.7513, 59.4406,
9.9052

■ 59.6922, 73.8271,
58.6842

 29.7512, 59.4406,
9.9051

 68.6360, 78.1209,
73.4227

 78.9691, 83.0810,
90.4765

 88.9996, 87.8991,
106.8832

Harmonies

Analogous

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



48.7595, 62.7116, 10.0721



36.5526, 62.7116, 20.7677



31.0062, 62.7116, 50.5094

Triad

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



36.5526, 62.7116, 20.7677



53.0249, 62.7116, 225.5974



100.1039, 62.7116, 40.1982

Complementary

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



36.5526, 62.7116, 20.7677



52.6058, 31.3295, 81.8751

Split Complementary

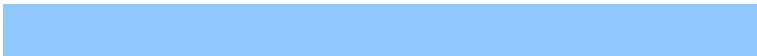
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.9094, 62.7116, 89.8005



36.5526, 62.7116, 20.7677



71.9512, 62.7116, 217.6230

Square

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



36.5526, 62.7116, 20.7677



39.1153, 62.7116, 177.9021



90.7489, 62.7116, 159.7385



86.2330, 62.7116, 16.5891

Rectangle

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



36.5526, 62.7116, 20.7677



30.8590, 62.7116, 85.4285



90.7489, 62.7116, 159.7385



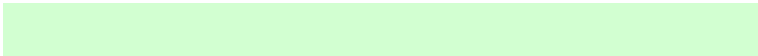
102.2358, 62.7116, 53.5991

Sweetspot

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



36.5541, 62.7142, 20.7691



73.7882, 89.7934, 73.8293



65.3241, 76.5534, 21.9240



15.1665, 18.9183, 14.7697



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.



36.5541, 62.7142, 20.7691



39.7343, 73.4359, 18.1091



40.8614, 64.4132, 44.5337



14.8881, 16.8723, 15.9907



16.5661, 33.0846, 5.5128



1.3078, 2.6015, 0.4332

Inverse Universe

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



52.6058, 31.3295, 81.8751



60.6186, 32.5477, 97.6951



45.2270, 28.4537, 39.5970



15.6925, 15.3023, 19.0488



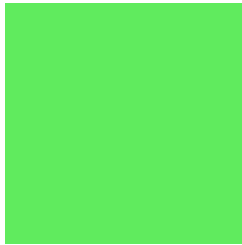
26.8174, 12.8608, 44.8119



2.1126, 1.0134, 3.5191

Previews

White Background



This preview shows how the XYZ color 36.5526, 62.7116, 20.7677 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 36.5526, 62.7116, 20.7677 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 36.5526, 62.7116, 20.7677

Background



This preview shows how black text looks on a background with the XYZ color 36.5526, 62.7116, 20.7677.

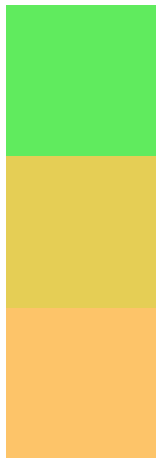


This preview shows how white text looks on a background with the XYZ color 36.5526, 62.7116,

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

36.5526, 62.7116, 20.7677

Protanopia

56.0241, 61.4565, 17.5038

Deuteranopia

62.7977, 61.3824, 21.9028



Tritanopia

50.2317, 62.1053, 90.2289

Trichromacy



Original Color

36.5526, 62.7116, 20.7677



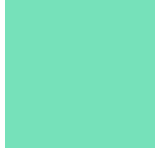
Protanomaly

45.6304, 60.1540, 18.4384



Deuteranomaly

48.1605, 58.7685, 21.1171



Tritanomaly

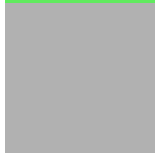
43.2594, 61.2471, 55.9962

Monochromacy



Original Color

36.5526, 62.7116, 20.7677



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

37.6733, 48.7907, 35.0357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5526, 62.7116, 20.7677 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(96, 235, 94)` looks like.

```
.text, #text, p{  
    color:rgb(96, 235, 94)  
}
```

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(96, 235, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 235, 94) }
```

Border

The CSS property to change the border of an element to XYZ 36.5526, 62.7116, 20.7677 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(96, 235, 94) }
```


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

```
.border{ border-color:rgb(96, 235, 94) }
```

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

Here you see how a box with a 4 pixel rgb(96, 235, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 235, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 235, 94);  
box-shadow:4px 4px 4px 4px rgb(96, 235,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5526, 62.7116, 20.7677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 235, 94) }
```

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

```
.background{ background-color: rgb(96, 235,  
94) }
```

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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