

Converting Colors

XYZ(37.6225, 68.6708, 20.8898)

Have a look what the booklet for
XYZ(37.6225, 68.6708, 20.8898)
contains.

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Color

**XYZ(37.5605, 68.5249,
20.9199)**

Conversions

Conversions Part 1

Format	Color
Hex	45F75A
RGB	69, 247, 90
RGB Percent	27%, 97%, 35%
CMY	0.7294, 0.0314, 0.6470
CMYK	0.72, 0.00, 0.64, 0.03
HSL	127°, 92%, 62%
HSV	127°, 72%, 97%
XYZ	37.5605, 68.5249, 20.9199
YIQ	175.8800, -55.6910, -86.5630

Conversions

Conversions Part 2

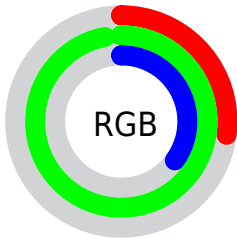
Format	Color
R _{YB}	69, 228, 247
Decimal	4585306
CIE Lab	86.27, -73.89, 60.92
CIE LCh	86, 95.768, 140.498
Yxy	68.5249, 0.2957, 0.5395
Android (android.graphics.Color)	4282775386 (0xFF45F75A)
YUV	175.8800, -42.3388, -93.7338
Hunter-Lab	82.7798, -63.8720, 42.9622

Details

The XYZ color **37.5605, 68.5249, 20.9199** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed green. A complement of this color would be **54.2151, 29.5224, 74.7932**, and the grayscale version is **41.4404, 43.5985, 47.4788**.

A 20% lighter version of the original color is **51.6861, 79.1398, 39.3394**, and **18.4319, 36.4889, 7.2999** is the 20% darker color. If you saturate the color by 10%, you get **35.3639, 67.4864, 16.6663**, and if you desaturate by 10%, it is **40.7607, 70.0534, 26.6416**.

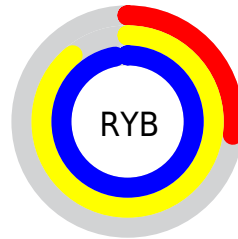
Distribution



Red (27%)

Green (97%)

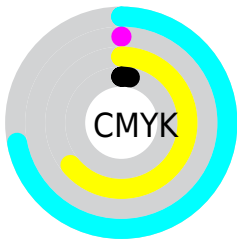
Blue (35%)



Red (27%)

Yellow (89%)

Blue (97%)

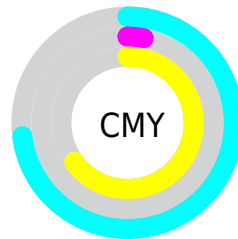


Cyan (72%)

Magenta (0%)

Yellow (64%)

Black (3%)



Cyan (73%)

Magenta (3%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5605, 68.5249, 20.9199 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 37.5605, 68.5249, 20.9199 by changing the saturation by 10% instead.

37.5605, 68.5249,
20.9199

37.5605, 68.5249,
20.9199

327.0444,
455.3535, 269.6196

25.8174, 50.3249,
12.8748

70.7422, 117.1027,
45.8332

16.8191, 35.6716,
7.2127

92.9116, 148.2493,
63.5386

10.2001, 24.1807,
3.5150

119.2872,
184.4803, 85.3010

5.5951, 15.4677,
1.3632

150.2342,
226.1799, 111.5392

2.6388, 9.1483,
0.1128

186.1181,
273.7327, 142.6716

0.9658, 4.8380,
0.0000

227.3042,

0.0000, 2.1525,

327.5229, 179.1168

0.0000

274.1578,
387.9351, 221.2932

■ 0.0000, 0.6939,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.5605, 68.5249,
20.9199

■ 37.5605, 68.5249,
20.9199

■ 35.3639, 67.4864,
16.6663

■ 40.7607, 70.0534,
26.6416


■ 34.0443, 66.8695,
13.7426


■ 45.0617, 72.1134,
33.9441


■ 33.4857, 66.6136,
12.2647


■ 50.5546, 74.7518,
42.9344

■ 57.3194, 78.0077,
53.7087

 65.4294, 81.9170,
66.3561

 74.9521, 86.5128,
80.9598

 85.9506, 91.8259,
97.5979

 92.5521, 95.0042,
108.0674

Harmonies

Analogous

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



51.3682, 68.5249, 8.8457



37.5605, 68.5249, 20.9199



31.5939, 68.5249, 56.2883

Triad

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



37.5605, 68.5249, 20.9199



58.3716, 68.5249, 270.2161



113.5330, 68.5249, 39.6237

Complementary

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



37.5605, 68.5249, 20.9199



54.2151, 29.5224, 74.7932

Split Complementary

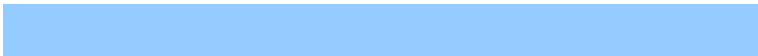
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



116.6098, 68.5249, 96.5345



37.5605, 68.5249, 20.9199



81.1552, 68.5249, 256.2446

Square

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



37.5605, 68.5249, 20.9199



41.6882, 68.5249, 213.2217



103.6826, 68.5249, 181.7393



96.0368, 68.5249, 14.6269

Rectangle

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



37.5605, 68.5249, 20.9199



31.6731, 68.5249, 99.0271



103.6826, 68.5249, 181.7393



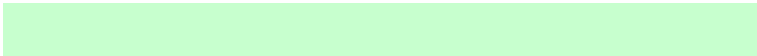
116.4209, 68.5249, 54.5809

Sweetspot

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



37.5621, 68.5277, 20.9214



70.3689, 88.0814, 71.3795



65.7749, 83.1610, 18.2155



14.5232, 18.5932, 14.4435



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.



37.5621, 68.5277, 20.9214



37.3350, 72.2329, 16.4713



43.8299, 71.0348, 53.9270



16.3617, 18.5038, 17.9232



17.7350, 35.2388, 6.6243



1.5839, 3.1072, 0.7150

Inverse Universe

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



54.2151, 29.5224, 74.7932



56.0220, 28.1677, 76.7036



45.0199, 25.8443, 26.3714



17.1245, 16.7326, 20.4021



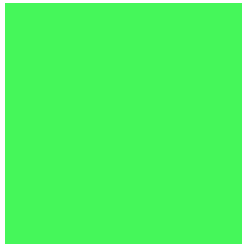
27.0038, 13.1449, 36.3237



2.3967, 1.1647, 3.3155

Previews

White Background



This preview shows how the XYZ color 37.5605, 68.5249, 20.9199 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 37.5605, 68.5249, 20.9199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

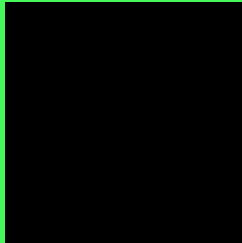
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5605, 68.5249, 20.9199

Background



This preview shows how black text looks on a background with the XYZ color 37.5605, 68.5249, 20.9199.

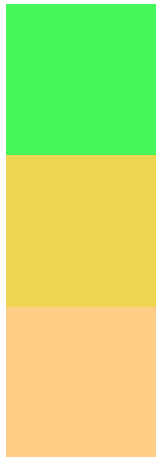


This preview shows how white text looks on a background with the XYZ color 37.5605, 68.5249,

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

37.5605, 68.5249, 20.9199

Protanopia

61.1284, 67.0379, 17.5024

Deuteranopia

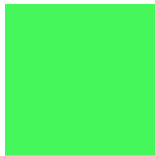
67.3050, 66.6161, 31.5011



Tritanopia

53.3024, 67.9055, 100.7402

Trichromacy



Original Color

37.5605, 68.5249, 20.9199



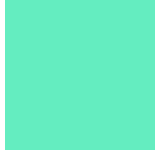
Protanomaly

46.9281, 64.3799, 18.3407



Deuteranomaly

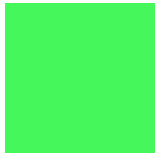
49.2976, 63.0355, 26.3984



Tritanomaly

45.0541, 67.0835, 60.4430

Monochromacy



Original Color

37.5605, 68.5249, 20.9199



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

36.5479, 49.6038, 34.4363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5605, 68.5249, 20.9199 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(69, 247, 90)` looks like.

```
.text, #text, p{  
    color:rgb(69, 247, 90)  
}
```

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(69, 247, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 247, 90) }
```

Border

The CSS property to change the border of an element to XYZ 37.5605, 68.5249, 20.9199 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(69, 247, 90) }
```


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

```
.border{ border-color:rgb(69, 247, 90) }
```

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

Here you see how a box with a 4 pixel rgb(69, 247, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 247, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 247, 90);  
box-shadow:4px 4px 4px 4px rgb(69, 247,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5605, 68.5249, 20.9199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 247, 90) }
```

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

```
.background{ background-color: rgb(69, 247,  
90) }
```

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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