

Converting Colors

XYZ(36.8523, 66.0070, 23.4287)

Have a look what the booklet for
XYZ(36.8523, 66.0070, 23.4287)
contains.

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Color

**XYZ(36.7489, 65.8032,
23.3348)**

Conversions

Conversions Part 1

Format	Color
Hex	47F266
RGB	71, 242, 102
RGB Percent	28%, 95%, 40%
CMY	0.7216, 0.0510, 0.6000
CMYK	0.71, 0.00, 0.58, 0.05
HSL	131°, 87%, 61%
HSV	131°, 71%, 95%
XYZ	36.7489, 65.8032, 23.3348
YIQ	174.9110, -56.9760, -79.7920

Conversions

Conversions Part 2

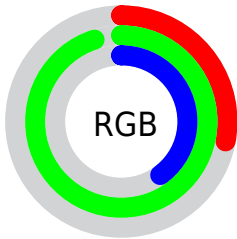
Format	Color
RYB	71, 216, 242
Decimal	4715110
CIELab	84.90, -70.64, 54.27
CIELCh	85, 89.082, 142.466
Yxy	65.8032, 0.2919, 0.5227
Android (android.graphics.Color)	4282905190 (0xFF47F266)
YUV	174.9110, -35.9451, -91.1299
Hunter-Lab	81.1192, -61.0938, 39.7280

Details

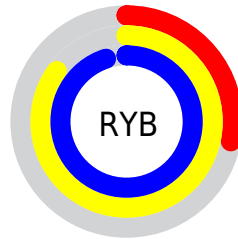
The XYZ color **36.7489, 65.8032, 23.3348** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed spring green. A complement of this color would be **50.6307, 28.0878, 64.3815**, and the grayscale version is **40.9041, 43.0343, 46.8643**.

A 20% lighter version of the original color is **52.6610, 79.5298, 44.4735**, and **17.6536, 34.4862, 8.4154** is the 20% darker color. If you saturate the color by 10%, you get **34.4468, 64.7186, 18.6973**, and if you desaturate by 10%, it is **39.9952, 67.3512, 29.2450**.

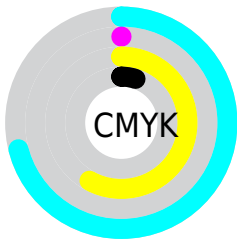
Distribution



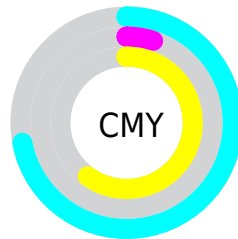
- Red (28%)
- Green (95%)
- Blue (40%)



- Red (28%)
- Yellow (85%)
- Blue (95%)



- Cyan (71%)
- Magenta (0%)
- Yellow (58%)
- Black (5%)





- Cyan (72%)
- Magenta (5%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7489, 65.8032, 23.3348 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 36.7489, 65.8032, 23.3348 by changing the saturation by 10% instead.


 36.7489, 65.8032,
23.3348


 36.7489, 65.8032,
23.3348


323.5966,
445.6727, 282.6174


 25.1859, 48.1127,
14.6333


 69.5028, 113.2038,
49.8726


 16.3451, 33.9161,
8.4187


 91.4244, 143.6827,
68.5460

 9.8611, 22.8292,
4.2724


 117.5295,
179.1931, 91.3805

 5.3685, 14.4674,
1.7759

 148.1836,
220.1196, 118.7945

 2.5020, 8.4465,
0.4120

183.7520,
266.8463, 151.2067

 0.8963, 4.3819,
0.0000

224.6001,

 0.0000, 1.8894,

319.7578, 189.0356

0.0000

271.0931,
379.2385, 232.6996

■ 0.0000, 0.5420,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.7489, 65.8032,
23.3348

■ 36.7489, 65.8032,
23.3348

■ 34.4468, 64.7186,
18.6973

■ 39.9952, 67.3512,
29.2450


■ 32.9776, 64.0364,
15.2342


■ 44.2711, 69.3992,
36.5077

■ 32.2058, 63.6878,
12.9663


■ 49.6577, 71.9893,
45.2013

■ 56.2265, 75.1567,
55.3968

 64.0430, 78.9340,
67.1607

 73.1677, 83.3509,
80.5555

 83.6573, 88.4355,
95.6400

 91.0435, 91.9869,
107.5645

Harmonies

Analogous

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



48.9768, 65.8032, 10.4732



36.7489, 65.8032, 23.3348



31.6555, 65.8032, 58.1635

Triad

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



36.7489, 65.8032, 23.3348



57.6387, 65.8032, 245.5416



105.2082, 65.8032, 37.2807

Complementary

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



36.7489, 65.8032, 23.3348



50.6307, 28.0878, 64.3815

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.



108.9069, 65.8032, 87.0716



36.7489, 65.8032, 23.3348



78.4103, 65.8032, 229.0950

Square

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



36.7489, 65.8032, 23.3348



41.9293, 65.8032, 199.1770



98.2402, 65.8032, 161.8050



89.0028, 65.8032, 15.0102

Rectangle

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



36.7489, 65.8032, 23.3348



32.0217, 65.8032, 98.1312



98.2402, 65.8032, 161.8050



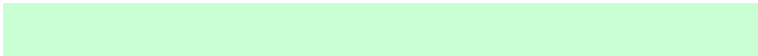
108.0779, 65.8032, 50.4184

Sweetspot

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



36.7505, 65.8059, 23.3363



71.7464, 88.7111, 75.0740



60.4777, 78.1834, 17.8647



14.8074, 18.7223, 15.2493



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.



36.7505, 65.8059, 23.3363



37.9276, 72.4804, 19.1141



43.1093, 68.3494, 56.8213



15.6829, 17.7032, 17.3532



17.3361, 34.2264, 7.1527



1.4747, 2.8603, 0.7664

Inverse Universe

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



50.6307, 28.0878, 64.3815



54.2974, 27.6048, 67.2307



42.7691, 24.9431, 22.9830



16.3241, 15.9794, 19.2631



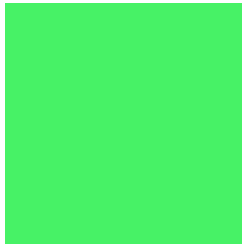
25.2017, 12.3531, 30.0425



2.1282, 1.0403, 2.6661

Previews

White Background



This preview shows how the XYZ color 36.7489, 65.8032, 23.3348 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 36.7489, 65.8032, 23.3348 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 36.7489, 65.8032, 23.3348

Background



This preview shows how black text looks on a background with the XYZ color 36.7489, 65.8032, 23.3348.

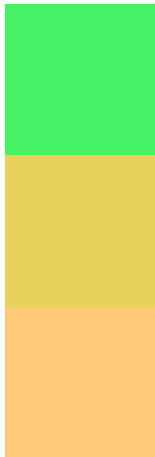


This preview shows how white text looks on a background with the XYZ color 36.7489, 65.8032,

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

36.7489, 65.8032, 23.3348

Protanopia

58.5826, 64.1895, 19.4274

Deuteranopia

65.5168, 64.3894, 26.7446



Tritanopia

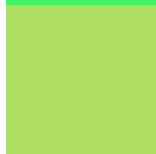
51.3061, 65.3050, 97.0898

Trichromacy



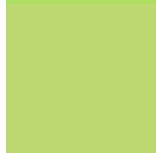
Original Color

36.7489, 65.8032, 23.3348



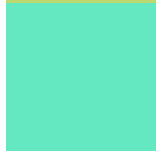
Protanomaly

45.6882, 62.0858, 20.6421



Deuteranomaly

48.2755, 60.9954, 24.8517



Tritanomaly

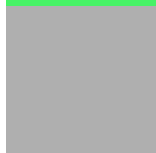
43.8497, 64.3176, 61.1424

Monochromacy



Original Color

36.7489, 65.8032, 23.3348



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

36.0852, 48.3033, 35.4386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7489, 65.8032, 23.3348 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(71, 242, 102)` looks like.

```
.text, #text, p{  
    color:rgb(71, 242, 102)  
}
```

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(71, 242, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 242, 102) }
```

Border

The CSS property to change the border of an element to XYZ 36.7489, 65.8032, 23.3348 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(71, 242, 102) }
```


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

```
.border{ border-color:rgb(71, 242, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 242, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 242, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 242, 102);  
box-shadow:4px 4px 4px 4px rgb(71, 242,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7489, 65.8032, 23.3348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 242, 102) }
```

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

```
.background{ background-color: rgb(71, 242,  
102) }
```

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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