

Converting Colors

XYZ(35.7437, 65.9732, 12.5110)

Have a look what the booklet for
XYZ(35.7437, 65.9732, 12.5110)
contains.

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Color

**XYZ(35.7624, 65.9779,
12.5192)**

Conversions

Conversions Part 1

Format	Color
Hex	51F324
RGB	81, 243, 36
RGB Percent	32%, 95%, 14%
CMY	0.6824, 0.0470, 0.8588
CMYK	0.67, 0.00, 0.85, 0.05
HSL	107°, 90%, 55%
HSV	107°, 85%, 95%
XYZ	35.7624, 65.9779, 12.5192
YIQ	170.9640, -30.1050, -98.7210

Conversions

Conversions Part 2

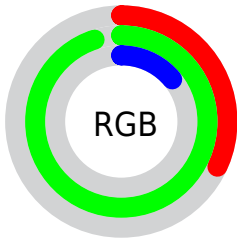
Format	Color
RYB	36, 243, 198
Decimal	5370660
CIELab	84.99, -74.31, 76.86
CIELCh	85, 106.912, 134.036
Yxy	65.9779, 0.3130, 0.5774
Android (android.graphics.Color)	4283560740 (0xFF51F324)
YUV	170.9640, -66.5373, -78.8984
Hunter-Lab	81.2268, -63.5572, 47.7206

Details

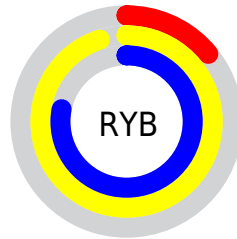
The XYZ color **35.7624, 65.9779, 12.5192** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **40.1028, 19.7419, 86.4945**, and the grayscale version is **39.0273, 41.0598, 44.7141**.

A 20% lighter version of the original color is **50.7859, 78.9833, 25.4006**, and **17.3490, 34.6979, 5.7830** is the 20% darker color. If you saturate the color by 10%, you get **34.1020, 65.1533, 11.1171**, and if you desaturate by 10%, it is **38.1335, 67.1439, 15.2687**.

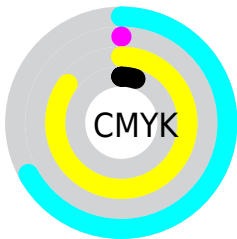
Distribution



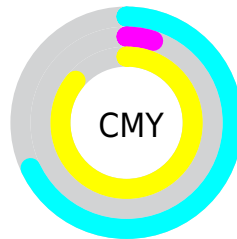
- Red (32%)
- Green (95%)
- Blue (14%)



- Red (14%)
- Yellow (95%)
- Blue (78%)



- Cyan (67%)
- Magenta (0%)
- Yellow (85%)
- Black (5%)





- Cyan (68%)
- Magenta (5%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7624, 65.9779, 12.5192 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 35.7624, 65.9779, 12.5192 by changing the saturation by 10% instead.


 35.7624, 65.9779,
12.5192


 35.7624, 65.9779,
12.5192


319.3702,
446.2978, 218.9114


 24.4200, 48.2545,
6.9715


 67.9915, 113.4546,
31.1157


 15.7719, 34.0284,
3.3661


 89.6088, 143.9767,
45.0015


 9.4527, 22.9155,
1.2845


 115.3819,
179.5337, 62.5039

 5.0971, 14.5311,
0.0490

 145.6760,
220.5102, 84.0412

 2.3397, 8.4910,
0.0000

 180.8566,
267.2904, 110.0321

 0.8149, 4.4107,
0.0000

 221.2889,

 0.0000, 1.9058,

320.2589, 140.8950

0.0000

267.3383,
379.7999, 177.0486

■ 0.0000, 0.5519,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.7624, 65.9779,
12.5192

■ 35.7624, 65.9779,
12.5192

■ 34.1020, 65.1533,
11.1171


■ 38.1335, 67.1439,
15.2687


■ 33.5104, 64.8557,
10.7522


■ 41.2893, 68.6783,
19.5941


■ 45.2983, 70.6143,
25.6862


■ 50.2199, 72.9790,
33.7076

 56.1079, 75.7970,
43.8024

 63.0116, 79.0910,
56.1010

 70.9771, 82.8819,
70.7232

 80.0474, 87.1897,
87.7801

 90.2633, 92.0331,
107.3756

Harmonies

Analogous

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



52.1577, 65.9779, 4.7473



35.7624, 65.9779, 12.5192



27.9495, 65.9779, 41.2423

Triad

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



35.7624, 65.9779, 12.5192



50.8403, 65.9779, 288.9631



119.0683, 65.9779, 44.2863

Complementary

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



35.7624, 65.9779, 12.5192



40.1028, 19.7419, 86.4945

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.



118.4521, 65.9779, 114.7289



35.7624, 65.9779, 12.5192



74.5974, 65.9779, 291.8887

Square

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



35.7624, 65.9779, 12.5192



35.0114, 65.9779, 208.6738



100.6250, 65.9779, 215.1518



102.1399, 65.9779, 13.5278

Rectangle

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



35.7624, 65.9779, 12.5192



26.9878, 65.9779, 81.5605



100.6250, 65.9779, 215.1518



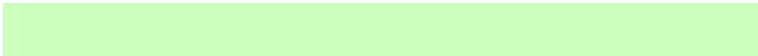
121.0184, 65.9779, 62.9219

Sweetspot

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



35.7639, 65.9807, 12.5207



69.5712, 87.8930, 61.2718



56.7317, 58.0817, 9.8909



14.2981, 18.5300, 12.0501



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.



35.7639, 65.9807, 12.5207



37.3587, 72.3442, 11.9948



34.6774, 65.2381, 20.7097



16.6189, 18.6456, 17.5206



18.4835, 35.6414, 5.9053



1.7083, 3.1757, 0.5229

Inverse Universe

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



40.1028, 19.7419, 86.4945



41.7569, 19.4414, 96.1595



46.6512, 23.9405, 49.6299



16.8406, 16.5760, 20.8545



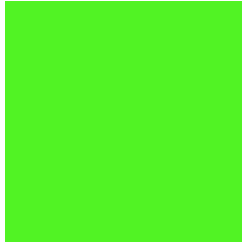
20.6783, 9.6344, 47.3078



1.9027, 0.8907, 4.1619

Previews

White Background



This preview shows how the XYZ color 35.7624, 65.9779, 12.5192 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 35.7624, 65.9779, 12.5192 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 35.7624, 65.9779, 12.5192

Background



This preview shows how black text looks on a background with the XYZ color 35.7624, 65.9779, 12.5192.



This preview shows how white text looks on a background with the XYZ color 35.7624, 65.9779,

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

35.7624, 65.9779, 12.5192

Protanopia

58.4058, 64.6676, 10.3811

Deuteranopia

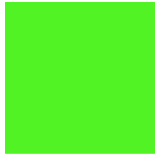
65.1208, 64.6052, 23.5058



Tritanopia

52.1297, 65.3600, 95.4562

Trichromacy



Original Color

35.7624, 65.9779, 12.5192



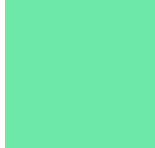
Protanomaly

45.4444, 62.5724, 10.9108



Deuteranomaly

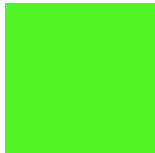
48.0741, 61.4414, 17.3082



Tritanomaly

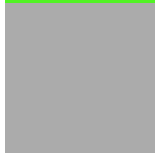
42.3549, 63.8554, 47.1388

Monochromacy



Original Color

35.7624, 65.9779, 12.5192



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

33.9603, 46.7409, 25.6444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7624, 65.9779, 12.5192 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(81, 243, 36)` looks like.

```
.text, #text, p{  
    color:rgb(81, 243, 36)  
}
```

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(81, 243, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 243, 36) }
```

Border

The CSS property to change the border of an element to XYZ 35.7624, 65.9779, 12.5192 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(81, 243, 36) }
```


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

```
.border{ border-color:rgb(81, 243, 36) }
```

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

Here you see how a box with a 4 pixel rgb(81, 243, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 243, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 243, 36);  
box-shadow:4px 4px 4px 4px rgb(81, 243,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7624, 65.9779, 12.5192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 243, 36) }
```

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

```
.background{ background-color: rgb(81, 243,  
36) }
```

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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