

Converting Colors

XYZ(36.6473, 67.3301, 12.7333)

Have a look what the booklet for
XYZ(36.6473, 67.3301, 12.7333)
contains.

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Color

**XYZ(36.6270, 67.3170,
12.7321)**

Conversions

Conversions Part 1

Format	Color
Hex	54F524
RGB	84, 245, 36
RGB Percent	33%, 96%, 14%
CMY	0.6706, 0.0392, 0.8588
CMYK	0.66, 0.00, 0.85, 0.04
HSL	106°, 91%, 55%
HSV	106°, 85%, 96%
XYZ	36.6270, 67.3170, 12.7321
YIQ	173.0350, -28.8670, -99.1310

Conversions

Conversions Part 2

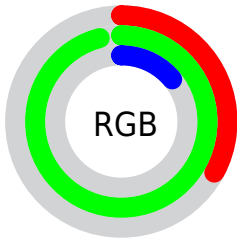
Format	Color
RYB	36, 245, 197
Decimal	5567780
CIELab	85.66, -74.35, 77.48
CIELCh	86, 107.387, 133.820
Yxy	67.3170, 0.3139, 0.5770
Android (android.graphics.Color)	4283757860 (0xFF54F524)
YUV	173.0350, -67.5583, -78.0837
Hunter-Lab	82.0469, -63.8970, 48.2322

Details

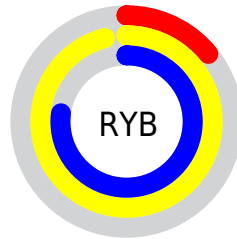
The XYZ color **36.6270, 67.3170, 12.7321** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **40.1439, 19.7281, 88.0819**, and the grayscale version is **40.0849, 42.1725, 45.9258**.

A 20% lighter version of the original color is **51.1571, 79.1747, 25.4179**, and **17.7703, 35.5406, 5.9234** is the 20% darker color. If you saturate the color by 10%, you get **34.9055, 66.4610, 11.3209**, and if you desaturate by 10%, it is **39.0622, 68.5154, 15.5125**.

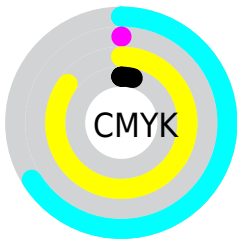
Distribution



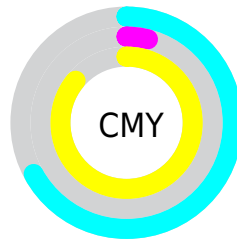
- Red (33%)
- Green (96%)
- Blue (14%)



- Red (14%)
- Yellow (96%)
- Blue (77%)



- Cyan (66%)
- Magenta (0%)
- Yellow (85%)
- Black (4%)



- Cyan (67%)
- Magenta (4%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6270, 67.3170, 12.7321 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 36.6270, 67.3170, 12.7321 by changing the saturation by 10% instead.

■ 36.6270, 67.3170,
12.7321

■ 36.6270, 67.3170,
12.7321

323.0765,
451.0723, 220.3407

■ 25.0912, 49.3423,
7.1158

■ 69.3163, 115.3745,
31.5057

■ 16.2741, 34.8911,
3.4551

■ 91.2005, 146.2261,
45.5001

■ 9.8104, 23.5790,
1.3314

■ 117.2648,
182.1388, 63.1243

■ 5.3347, 15.0216,
0.0873

■ 147.8747,
223.4970, 84.7968

■ 2.4817, 8.8346,
0.0000

■ 183.3954,
270.6850, 110.9362

■ 0.8861, 4.6334,
0.0000

■ 224.1924,

■ 0.0000, 2.0338,

324.0873, 141.9609

0.0000

270.6310,
384.0883, 178.2896

■ 0.0000, 0.6270,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.6270, 67.3170,
12.7321

■ 36.6270, 67.3170,
12.7321

■ 34.9055, 66.4610,
11.3209


■ 39.0622, 68.5154,
15.5125


■ 34.2990, 66.1557,
10.9616


■ 42.2847, 70.0830,
19.8959


■ 46.3626, 72.0527,
26.0776


■ 51.3552, 74.4513,
34.2235

 57.3159, 77.3033,
44.4809

 64.2939, 80.6311,
56.9830

 72.3350, 84.4557,
71.8519

 81.4821, 88.7966,
89.2011

 91.5306, 93.5746,
107.8453

Harmonies

Analogous

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



53.3913, 67.3170, 4.8722



36.6270, 67.3170, 12.7321



28.6052, 67.3170, 41.8016

Triad

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



36.6270, 67.3170, 12.7321



51.7499, 67.3170, 293.7323



121.3917, 67.3170, 45.5962

Complementary

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



36.6270, 67.3170, 12.7321



40.1439, 19.7281, 88.0819

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.



120.6250, 67.3170, 117.6090



36.6270, 67.3170, 12.7321



75.8898, 67.3170, 297.3698

Square

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



36.6270, 67.3170, 12.7321



35.6907, 67.3170, 211.7363



102.3913, 67.3170, 219.7933



104.2768, 67.3170, 13.9928

Rectangle

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



36.6270, 67.3170, 12.7321



27.5892, 67.3170, 82.6436



102.3913, 67.3170, 219.7933



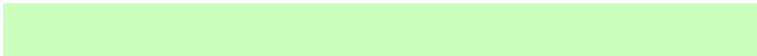
123.3287, 67.3170, 64.6827

Sweetspot

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



36.6286, 67.3198, 12.7336



69.7936, 88.0076, 61.2822



57.7705, 59.1289, 10.0383



14.3497, 18.5565, 12.0526



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.



36.6286, 67.3198, 12.7336



37.5371, 72.4361, 12.0032



35.3024, 66.4511, 21.0324



16.6382, 18.6555, 17.5215



18.5760, 35.6891, 5.9096



1.7190, 3.1812, 0.5234

Inverse Universe

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



40.1439, 19.7281, 88.0819



40.9319, 19.0161, 96.1209



47.5041, 24.3618, 50.4984



16.8198, 16.5653, 20.8535



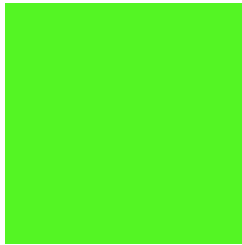
20.2773, 9.4276, 47.2890



1.8706, 0.8742, 4.1604

Previews

White Background



This preview shows how the XYZ color 36.6270, 67.3170, 12.7321 looks on a white background.

Color Contrast Check

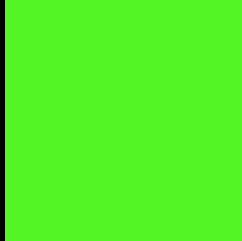
Large Text (above 18pt) WCAG AA × Fail

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 36.6270, 67.3170, 12.7321 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 36.6270, 67.3170, 12.7321

Background



This preview shows how black text looks on a background with the XYZ color 36.6270, 67.3170, 12.7321.



This preview shows how white text looks on a background with the XYZ color 36.6270, 67.3170,

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

36.6270, 67.3170, 12.7321

Protanopia

59.5773, 66.0138, 10.5792

Deuteranopia

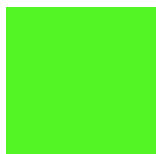
66.1626, 65.7776, 26.6620



Tritanopia

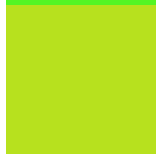
53.2800, 66.7298, 97.2608

Trichromacy



Original Color

36.6270, 67.3170, 12.7321



Protanomaly

46.6880, 64.0114, 11.1230



Deuteranomaly

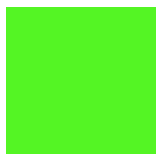
49.1270, 62.7218, 18.9684



Tritanomaly

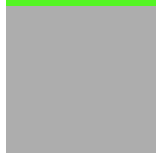
43.3606, 65.1927, 48.3283

Monochromacy



Original Color

36.6270, 67.3170, 12.7321



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

34.9831, 47.9396, 26.1484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6270, 67.3170, 12.7321 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(84, 245, 36)` looks like.

```
.text, #text, p{  
    color:rgb(84, 245, 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(84, 245, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 245, 36) }
```

Border

The CSS property to change the border of an element to XYZ 36.6270, 67.3170, 12.7321 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(84, 245, 36) }
```


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

```
.border{ border-color:rgb(84, 245, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 245, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 245, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 245, 36);  
box-shadow:4px 4px 4px 4px rgb(84, 245,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6270, 67.3170, 12.7321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 245, 36) }
```

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

```
.background{ background-color: rgb(84, 245,  
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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