

Converting Colors

XYZ(35.2145, 62.2594, 24.5548)

Have a look what the booklet for
XYZ(35.2145, 62.2594, 24.5548)
contains.

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Color

**XYZ(35.2816, 62.3971,
24.6523)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 46EC6D |
| RGB | 70, 236, 109 |
| RGB Percent | 27%, 93%, 43% |
| CMY | 0.7255, 0.0745, 0.5725 |
| CMYK | 0.70, 0.00, 0.54, 0.07 |
| HSL | 134°, 81%, 60% |
| HSV | 134°, 70%, 93% |
| XYZ | 35.2816, 62.3971, 24.6523 |
| YIQ | 171.8880, -58.1690, -74.6890 |

Conversions

Conversions Part 2

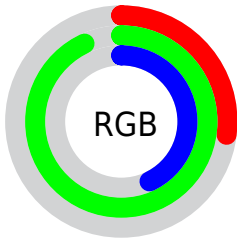
| Format | Color |
|-------------------------------------|--|
| RYB | 70, 204, 236 |
| Decimal | 4648045 |
| CIELab | 83.12, -67.92, 49.01 |
| CIELCh | 83, 83.753, 144.188 |
| Yxy | 62.3971, 0.2884, 0.5101 |
| Android (android.graphics.Color) | 4282838125 (0xFF46EC6D) |
| YUV | 171.8880, -31.0038, -89.3558 |
| Hunter-Lab | 78.9918, -58.5089, 36.7907 |

Details

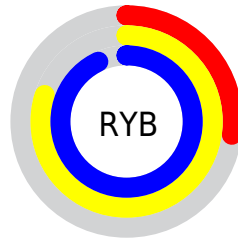
The XYZ color **35.2816, 62.3971, 24.6523** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **46.8622, 26.2456, 55.4214**, and the grayscale version is **39.3305, 41.3787, 45.0614**.

A 20% lighter version of the original color is **52.8521, 79.5676, 47.2228**, and **16.8339, 32.5257, 9.1322** is the 20% darker color. If you saturate the color by 10%, you get **33.0276, 61.3379, 19.9844**, and if you desaturate by 10%, it is **38.4068, 63.8859, 30.4059**.

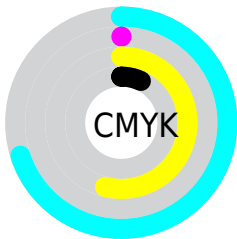
Distribution



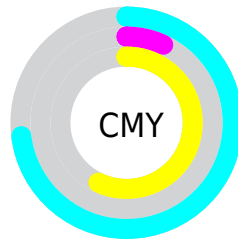
- Red (27%)
- Green (93%)
- Blue (43%)



- Red (27%)
- Yellow (80%)
- Blue (93%)



- Cyan (70%)
- Magenta (0%)
- Yellow (54%)
- Black (7%)





- Cyan (73%)
- Magenta (7%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2816, 62.3971, 24.6523 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 35.2816, 62.3971, 24.6523 by changing the saturation by 10% instead.


 35.2816, 62.3971,
24.6523


 35.2816, 62.3971,
24.6523


317.2958,
433.3781, 289.4940


 24.0474, 45.3536,
15.6015


 67.2529, 108.2992,
52.0497


 15.4937, 31.7361,
9.0913


 88.7208, 137.9267,
71.2334

 9.2552, 21.1600,
4.7032


 114.3306,
172.5177, 94.6319

 4.9664, 13.2410,
2.0185

 144.4476,
212.4565, 122.6636

 2.2621, 7.5947,
0.5666

179.4373,
258.1275, 155.7471

 0.7752, 3.8367,
0.0000

219.6650,

 0.0000, 1.5827,

309.9152, 194.3010

0.0000

265.4961,
368.2039, 238.7437

■ 0.0000, 0.3459,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.2816, 62.3971,
24.6523

■ 35.2816, 62.3971,
24.6523

■ 33.0276, 61.3379,
19.9844

■ 38.4068, 63.8859,
30.4059


■ 31.5445, 60.6527,
16.3292


■ 42.4798, 65.8372,
37.3034


■ 30.6970, 60.2734,
13.6869


■ 47.5740, 68.2893,
45.4042


■ 53.7538, 71.2744,
54.7621

 61.0784, 74.8219,
65.4275

 69.6027, 78.9591,
77.4483

 79.3778, 83.7114,
90.8697

 89.0379, 88.3738,
105.6690

 89.2866, 88.4733,
106.9789

Harmonies

Analogous

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



46.1336, 62.3971, 11.4874



35.2816, 62.3971, 24.6523



30.9361, 62.3971, 58.3188

Triad

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



35.2816, 62.3971, 24.6523



55.8445, 62.3971, 223.6292



97.1489, 62.3971, 34.6820

Complementary

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



35.2816, 62.3971, 24.6523



46.8622, 26.2456, 55.4214

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.



101.2099, 62.3971, 78.5647



35.2816, 62.3971, 24.6523



74.7750, 62.3971, 205.8541

Square

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



35.2816, 62.3971, 24.6523



41.1506, 62.3971, 185.3931



92.3233, 62.3971, 144.7447



82.1438, 62.3971, 14.8661

Rectangle

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



35.2816, 62.3971, 24.6523



31.5129, 62.3971, 95.4800



92.3233, 62.3971, 144.7447



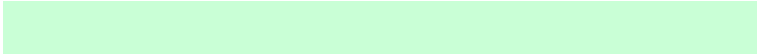
99.9519, 62.3971, 46.2810

Sweetspot

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



35.2831, 62.3997, 24.6537



72.1101, 88.8566, 76.9896



54.1991, 72.3424, 16.9017



14.8925, 18.7563, 15.6973



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.



35.2831, 62.3997, 24.6537



38.5602, 72.7448, 21.9346



42.0079, 65.0896, 60.0661



15.0133, 16.9202, 16.7531



16.9616, 33.2391, 7.7630



1.3683, 2.6246, 0.8012

Inverse Universe

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



46.8622, 26.2456, 55.4214



53.0063, 27.2242, 60.0134



39.8364, 23.4353, 18.4241



15.5547, 15.2497, 18.2061



23.6925, 11.6797, 25.2459



1.8970, 0.9318, 2.1748

Previews

White Background



This preview shows how the XYZ color 35.2816, 62.3971, 24.6523 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 35.2816, 62.3971, 24.6523 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 35.2816, 62.3971, 24.6523

Background



This preview shows how black text looks on a background with the XYZ color 35.2816, 62.3971, 24.6523.



This preview shows how white text looks on a background with the XYZ color 35.2816, 62.3971,

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

35.2816, 62.3971, 24.6523

Protanopia

55.7620, 60.8944, 20.6192

Deuteranopia

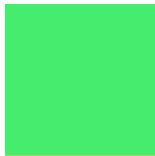
62.1970, 60.9757, 26.2606



Tritanopia

48.5315, 61.9786, 91.8433

Trichromacy



Original Color

35.2816, 62.3971, 24.6523



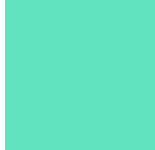
Protanomaly

43.5816, 58.6371, 21.8531



Deuteranomaly

46.2138, 58.0398, 25.2901



Tritanomaly

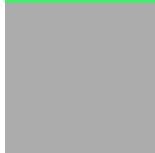
41.9133, 61.2853, 59.4894

Monochromacy



Original Color

35.2816, 62.3971, 24.6523



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

34.9316, 46.3510, 35.5393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2816, 62.3971, 24.6523 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(70, 236, 109)` looks like.

```
.text, #text, p{  
    color:rgb(70, 236, 109)  
}
```

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(70, 236, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 236, 109) }
```

Border

The CSS property to change the border of an element to XYZ 35.2816, 62.3971, 24.6523 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(70, 236, 109) }
```


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

```
.border{ border-color:rgb(70, 236, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 236, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 236, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 236, 109);  
box-shadow:4px 4px 4px 4px rgb(70, 236,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2816, 62.3971, 24.6523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 236, 109) }
```

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

```
.background{ background-color: rgb(70, 236,  
109) }
```

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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