

Converting Colors

XYZ(35.3361, 62.6248, 24.4635)

Have a look what the booklet for
XYZ(35.3361, 62.6248, 24.4635)
contains.

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Color

**XYZ(35.2280, 62.3757,
24.3704)**

Conversions

Conversions Part 1

Format	Color
Hex	46EC6C
RGB	70, 236, 108
RGB Percent	27%, 93%, 42%
CMY	0.7255, 0.0745, 0.5765
CMYK	0.70, 0.00, 0.54, 0.07
HSL	134°, 81%, 60%
HSV	134°, 70%, 93%
XYZ	35.2280, 62.3757, 24.3704
YIQ	171.7740, -57.8480, -75.0000

Conversions

Conversions Part 2

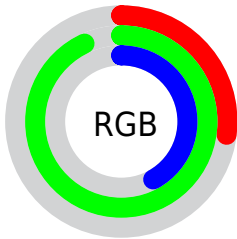
Format	Color
RYB	70, 205, 236
Decimal	4648044
CIELab	83.11, -68.05, 49.45
CIELCh	83, 84.123, 143.994
Yxy	62.3757, 0.2888, 0.5114
Android (android.graphics.Color)	4282838124 (0xFF46EC6C)
YUV	171.7740, -31.4406, -89.2558
Hunter-Lab	78.9783, -58.5927, 36.9896

Details

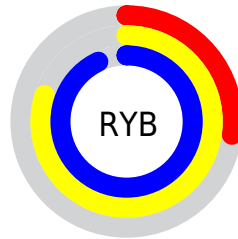
The XYZ color **35.2280, 62.3757, 24.3704** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **46.9770, 26.2914, 56.0260**, and the grayscale version is **39.2746, 41.3199, 44.9974**.

A 20% lighter version of the original color is **52.7628, 79.5319, 46.7527**, and **16.8097, 32.5160, 9.0047** is the 20% darker color. If you saturate the color by 10%, you get **32.9787, 61.3184, 19.7271**, and if you desaturate by 10%, it is **38.3509, 63.8636, 30.1125**.

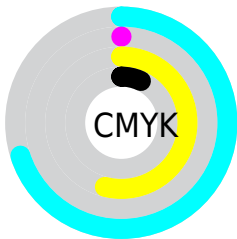
Distribution



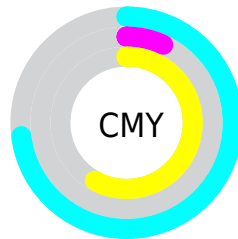
- Red (27%)
- Green (93%)
- Blue (42%)



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



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





- Cyan (73%)
- Magenta (7%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2280, 62.3757, 24.3704 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 35.2280, 62.3757, 24.3704 by changing the saturation by 10% instead.


 35.2280, 62.3757,
24.3704


 35.2280, 62.3757,
24.3704


317.0640,
433.3002, 288.0344


 24.0059, 45.3363,
15.3939


 67.1705, 108.2683,
51.5854


 15.4628, 31.7224,
8.9466


 88.6217, 137.8904,
70.6609

 9.2332, 21.1496,
4.6100

 114.2132,
172.4755, 93.9398

 4.9519, 13.2334,
1.9656

 144.3104,
212.4080, 121.8406

 2.2536, 7.5895,
0.5340

179.2788,
258.0724, 154.7820

 0.7707, 3.8334,
0.0000

219.4836,

 0.0000, 1.5808,

309.8529, 193.1824

0.0000

265.2902,
368.1341, 237.4604

■ 0.0000, 0.3446,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.2280, 62.3757,
24.3704

■ 35.2280, 62.3757,
24.3704

■ 32.9787, 61.3184,
19.7271

■ 38.3509, 63.8636,
30.1125


■ 31.5024, 60.6359,
16.1077


■ 42.4246, 65.8151,
37.0133


■ 30.6632, 60.2599,
13.5086


■ 47.5224, 68.2687,
45.1337


■ 53.7092, 71.2566,
54.5287

 61.0445, 74.8083,
65.2501

 69.5831, 78.9512,
77.3468

 79.3766, 83.7109,
90.8653

 89.0597, 88.3825,
105.7836

 89.2867, 88.4733,
106.9789

Harmonies

Analogous

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



46.1545, 62.3757, 11.3157



35.2280, 62.3757, 24.3704



30.8316, 62.3757, 57.9534

Triad

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



35.2280, 62.3757, 24.3704



55.6969, 62.3757, 224.4727



97.3833, 62.3757, 34.7495

Complementary

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



35.2280, 62.3757, 24.3704



46.9770, 26.2914, 56.0260

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.



101.3824, 62.3757, 78.9607



35.2280, 62.3757, 24.3704



74.6987, 62.3757, 206.9400

Square

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



35.2280, 62.3757, 24.3704



40.9891, 62.3757, 185.6579



92.3705, 62.3757, 145.5902



82.3499, 62.3757, 14.8000

Rectangle

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



35.2280, 62.3757, 24.3704



31.3828, 62.3757, 95.1739



92.3705, 62.3757, 145.5902



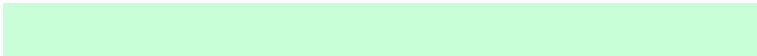
100.1757, 62.3757, 46.4341

Sweetspot

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



35.2295, 62.3783, 24.3718



72.0690, 88.8401, 76.7731



54.9315, 72.7200, 16.9358



14.8829, 18.7524, 15.6466



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.



35.2295, 62.3783, 24.3718



38.5050, 72.7227, 21.6437



41.7046, 64.9683, 58.4692



15.0096, 16.9186, 16.7332



16.9421, 33.2313, 7.6603



1.3663, 2.6238, 0.7906

Inverse Universe

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



46.9770, 26.2914, 56.0260



53.1623, 27.2866, 60.8345



39.9967, 23.4993, 19.2683



15.5587, 15.2513, 18.2274



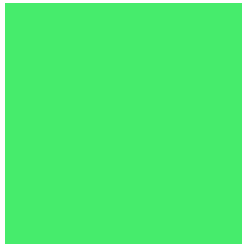
23.7722, 11.7116, 25.6654



1.9026, 0.9340, 2.2046

Previews

White Background



This preview shows how the XYZ color 35.2280, 62.3757, 24.3704 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 35.2280, 62.3757, 24.3704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

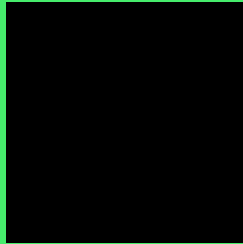
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.2280, 62.3757, 24.3704

Background



This preview shows how black text looks on a background with the XYZ color 35.2280, 62.3757, 24.3704.



This preview shows how white text looks on a background with the XYZ color 35.2280, 62.3757,

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

35.2280, 62.3757, 24.3704

Protanopia

55.7145, 60.8754, 20.3689

Deuteranopia

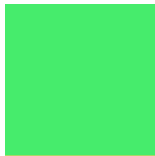
62.4940, 61.1358, 25.9594



Tritanopia

48.5315, 61.9786, 91.8433

Trichromacy



Original Color

35.2280, 62.3757, 24.3704



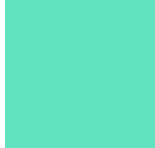
Protanomaly

43.5317, 58.6171, 21.5902



Deuteranomaly

46.3964, 58.1406, 24.9966



Tritanomaly

41.9133, 61.2853, 59.4894

Monochromacy



Original Color

35.2280, 62.3757, 24.3704



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 35.2280, 62.3757, 24.3704 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(70, 236, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 236, 108) }
```

Border

The CSS property to change the border of an element to XYZ 35.2280, 62.3757, 24.3704 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, 108) }
```


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

```
.border{ border-color:rgb(70, 236, 108) }
```

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, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 236, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 236, 108);  
box-shadow:4px 4px 4px 4px rgb(70, 236,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2280, 62.3757, 24.3704 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, 108) }
```

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

```
.background{ background-color: rgb(70, 236,  
108) }
```

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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