

Converting Colors

XYZ(35.4530, 56.2245, 24.0036)

Have a look what the booklet for
XYZ(35.4530, 56.2245, 24.0036)
contains.

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Color

**XYZ(35.5357, 56.3713,
24.0467)**

Conversions

Conversions Part 1

Format	Color
Hex	71DD6F
RGB	113, 221, 111
RGB Percent	44%, 87%, 44%
CMY	0.5569, 0.1333, 0.5647
CMYK	0.49, 0.00, 0.50, 0.13
HSL	119°, 62%, 65%
HSV	119°, 50%, 87%
XYZ	35.5357, 56.3713, 24.0467
YIQ	176.1680, -29.0580, -57.1060

Conversions

Conversions Part 2

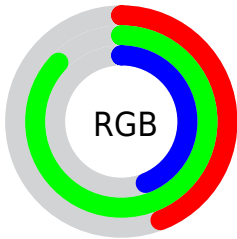
Format	Color
RYB	111, 221, 219
Decimal	7462255
CIELab	79.82, -52.84, 44.32
CIELCh	80, 68.965, 140.007
Yxy	56.3713, 0.3065, 0.4862
Android (android.graphics.Color)	4285652335 (0xFF71DD6F)
YUV	176.1680, -32.1278, -55.3983
Hunter-Lab	75.0808, -46.9075, 33.5673

Details

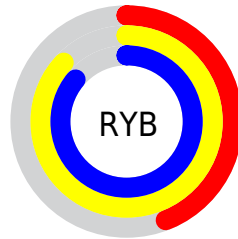
The XYZ color **35.5357, 56.3713, 24.0467** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **47.9519, 31.6513, 71.9916**, and the grayscale version is **41.5289, 43.6917, 47.5802**.

A 20% lighter version of the original color is **59.3461, 82.8945, 48.4697**, and **15.6869, 27.9666, 8.8463** is the 20% darker color. If you saturate the color by 10%, you get **32.0008, 54.6743, 18.2963**, and if you desaturate by 10%, it is **40.0418, 58.5375, 31.4162**.

Distribution



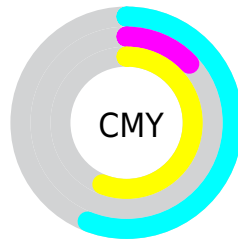
- Red (44%)
- Green (87%)
- Blue (44%)



- Red (44%)
- Yellow (87%)
- Blue (86%)



- Cyan (49%)
- Magenta (0%)
- Yellow (50%)
- Black (13%)



- Cyan (56%)
- Magenta (13%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5357, 56.3713, 24.0467 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 35.5357, 56.3713, 24.0467 by changing the saturation by 10% instead.

■ 35.5357, 56.3713,
24.0467

■ 35.5357, 56.3713,
24.0467

318.3933,
411.0893, 286.3507

■ 24.2443, 40.5007,
15.1557

■ 67.6434, 99.5472,
51.0512

■ 15.6406, 27.9291,
8.7809

■ 89.1904, 127.6214,
70.0018

■ 9.3594, 18.2723,
4.5037

■ 114.8866,
160.5322, 93.1427

■ 5.0354, 11.1456,
1.9055

■ 145.0973,
198.6639, 120.8925

■ 2.3030, 6.1649,
0.4963

180.1881,
242.4012, 153.6696

■ 0.7962, 2.9456,
0.0000

220.5241,

■ 0.0000, 1.1034,

292.1282, 191.8926

0.0000

266.4707,
348.2294, 235.9801

■ 0.0000, 0.0000,
0.0000

■ 35.5357, 56.3713,
24.0467

■ 35.5357, 56.3713,
24.0467

■ 32.0008, 54.6743,
18.2963

■ 40.0418, 58.5375,
31.4162

■ 29.3620, 53.4054,
14.0398

■ 45.5787, 61.1963,
40.5099

■ 27.5399, 52.5284,
11.1401


■ 52.2063, 64.3782,
51.4288


■ 26.4395, 51.9978,
9.4329


■ 59.9786, 68.1089,
64.2646

■ 25.9167, 51.7453,
8.6363

■ 68.9462, 72.4127,
79.1031

 25.9078, 51.7411,
8.6215

 79.1563, 77.3123,
96.0249

 85.1476, 80.1952,
105.5992

Harmonies

Analogous

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



44.9114, 56.3713, 13.7791



35.5357, 56.3713, 24.0467



31.2559, 56.3713, 48.9836

Triad

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



35.5357, 56.3713, 24.0467



49.0556, 56.3713, 172.4594



82.9617, 56.3713, 38.6580

Complementary

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



35.5357, 56.3713, 24.0467



47.9519, 31.6513, 71.9916

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.



84.5952, 56.3713, 75.7063



35.5357, 56.3713, 24.0467



63.2962, 56.3713, 165.6369

Square

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



35.5357, 56.3713, 24.0467



38.1150, 56.3713, 141.1053



76.8833, 56.3713, 125.2166



72.7454, 56.3713, 19.3164

Rectangle

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



35.5357, 56.3713, 24.0467



31.2567, 56.3713, 75.7274



76.8833, 56.3713, 125.2166



84.5936, 56.3713, 48.9677

Sweetspot

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



35.5371, 56.3737, 24.0480



76.9995, 91.3367, 79.0467



57.5895, 66.3205, 24.8056



16.0026, 19.3202, 16.1294



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.



35.5371, 56.3737, 24.0480



43.9580, 75.4692, 24.8206



38.9651, 57.7155, 43.4262



12.9083, 14.6174, 13.8667



15.0598, 30.0611, 5.0086



0.9835, 1.9516, 0.3249

Inverse Universe

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



47.9519, 31.6513, 71.9916



63.0266, 37.4596, 98.5163



42.7294, 29.6321, 41.3344



13.5898, 13.2622, 16.4957



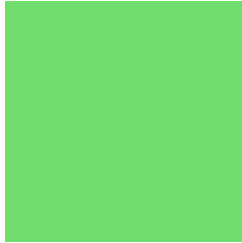
24.2135, 11.6067, 40.7025



1.5763, 0.7559, 2.6373

Previews

White Background



This preview shows how the XYZ color 35.5357, 56.3713, 24.0467 looks on a white background.

Color Contrast Check

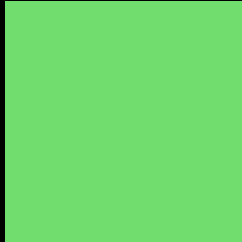
Large Text (above 18pt) WCAG AA × Fail

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 35.5357, 56.3713, 24.0467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

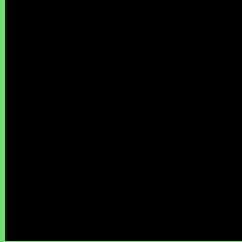
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.5357, 56.3713, 24.0467

Background



This preview shows how black text looks on a background with the XYZ color 35.5357, 56.3713, 24.0467.



This preview shows how white text looks on a background with the XYZ color 35.5357, 56.3713,

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

35.5357, 56.3713, 24.0467

Protanopia

51.0297, 55.6635, 20.8865

Deuteranopia

56.5729, 55.4755, 25.1789



Tritanopia

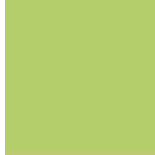
46.4630, 55.8664, 79.5686

Trichromacy



Original Color

35.5357, 56.3713, 24.0467



Protanomaly

43.2632, 54.7669, 21.9265



Deuteranomaly

45.7990, 53.9070, 24.5142



Tritanomaly

41.3481, 55.6384, 53.9074

Monochromacy



Original Color

35.5357, 56.3713, 24.0467



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

37.6540, 46.7386, 36.7426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5357, 56.3713, 24.0467 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(113, 221, 111)` looks like.

```
.text, #text, p{  
    color:rgb(113, 221, 111)  
}
```

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(113, 221, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 221, 111) }
```

Border

The CSS property to change the border of an element to XYZ 35.5357, 56.3713, 24.0467 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(113, 221, 111) }
```


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

```
.border{ border-color:rgb(113, 221, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 221, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 221, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 221, 111);  
box-shadow:4px 4px 4px 4px rgb(113, 221,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5357, 56.3713, 24.0467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 221, 111) }
```

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

```
.background{ background-color: rgb(113,  
221, 111) }
```

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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