

Converting Colors

XYZ(55.2770, 75.1560, 16.5685)

Have a look what the booklet for
XYZ(55.2770, 75.1560, 16.5685)
contains.

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Color

**XYZ(55.1744, 75.0280,
16.5749)**

Conversions

Conversions Part 1

Format	Color
Hex	C4F141
RGB	196, 241, 65
RGB Percent	77%, 95%, 25%
CMY	0.2314, 0.0549, 0.7451
CMYK	0.19, 0.00, 0.73, 0.05
HSL	75°, 86%, 60%
HSV	75°, 73%, 95%
XYZ	55.1744, 75.0280, 16.5749
YIQ	207.4810, 29.6760, -64.2760

Conversions

Conversions Part 2

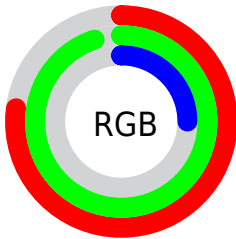
Format	Color
R _{YB}	65, 241, 110
Decimal	12906817
CIE Lab	89.41, -37.24, 74.95
CIE LCh	89, 83.688, 116.423
Yxy	75.0280, 0.3759, 0.5112
Android (android.graphics.Color)	4291096897 (0xFFC4F141)
YUV	207.4810, -70.2431, -10.0688
Hunter-Lab	86.6187, -37.8818, 49.2877

Details

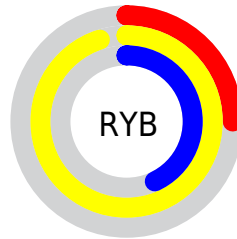
The XYZ color **55.1744, 75.0280, 16.5749** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **24.2007, 13.4484, 84.5438**, and the grayscale version is **60.0468, 63.1739, 68.7964**.

A 20% lighter version of the original color is **80.6381, 94.2352, 33.0079**, and **27.8302, 40.1012, 6.2735** is the 20% darker color. If you saturate the color by 10%, you get **53.0500, 73.9995, 13.5766**, and if you desaturate by 10%, it is **57.6658, 76.2162, 21.1468**.

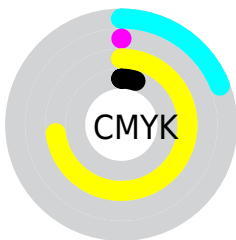
Distribution



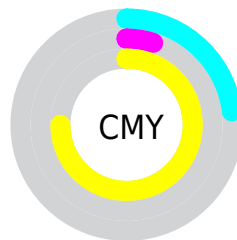
- Red (77%)
- Green (95%)
- Blue (25%)



- Red (25%)
- Yellow (95%)
- Blue (43%)



- Cyan (19%)
- Magenta (0%)
- Yellow (73%)
- Black (5%)




- Cyan (23%)
- Magenta (5%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.1744, 75.0280, 16.5749 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 55.1744, 75.0280, 16.5749 by changing the saturation by 10% instead.

 55.1744, 75.0280,
16.5749

 55.1744, 75.0280,
16.5749


396.6983,
478.0138, 244.6710

 39.7758, 55.6358,
9.7731


 96.9433, 126.3520,
38.3740

 27.5472, 39.9110,
5.1452


 124.0442,
159.0526, 54.2084


 18.1233, 27.4692,
2.2725


 155.7766,
196.9582, 73.8908

 11.1388, 17.9259,
0.7157

 192.5059,
240.4530, 97.8397

 6.2282, 10.8968,
0.0000

 234.5973,
289.9217, 126.4736

 3.0263, 5.9975,
0.0000

282.4163,

 1.1677, 2.8435,

345.7484, 160.2111

0.0000

336.3282,
408.3176, 199.4707

0.0806, 1.0506,
0.0000

0.0000, 0.0000,
0.0000

55.1744, 75.0280,
16.5749

55.1744, 75.0280,
16.5749

53.0500, 73.9995,
13.5766

57.6658, 76.2162,
21.1468


51.2457, 73.1039,
11.9319


60.5534, 77.5680,
27.4649


50.1344, 72.5425,
11.3597


63.8688, 79.0987,
35.6845


67.6389, 80.8191,
45.9424

 71.8879, 82.7390,
58.3629

 76.6382, 84.8675,
73.0603

 81.9107, 87.2130,
90.1409

 87.2690, 89.6010,
107.3029

 89.4588, 90.7298,
107.4054

Harmonies

Analogous

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



73.7990, 75.0280, 12.8924



55.1744, 75.0280, 16.5749



43.2613, 75.0280, 33.8227

Triad

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



55.1744, 75.0280, 16.5749



51.6625, 75.0280, 216.4059



118.3151, 75.0280, 88.9388

Complementary

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



55.1744, 75.0280, 16.5749



24.2007, 13.4484, 84.5438

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.



109.4391, 75.0280, 161.3559



55.1744, 75.0280, 16.5749



68.8812, 75.0280, 254.0290

Square

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



55.1744, 75.0280, 16.5749



41.5231, 75.0280, 142.9070



90.3240, 75.0280, 230.1693



112.7432, 75.0280, 41.0604

Rectangle

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



55.1744, 75.0280, 16.5749



39.4558, 75.0280, 57.9596



90.3240, 75.0280, 230.1693



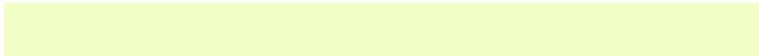
116.8851, 75.0280, 111.1542

Sweetspot

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



55.1761, 75.0314, 16.5765



82.2149, 94.2789, 67.8364



42.7012, 30.0222, 8.5463



17.3011, 20.0462, 13.6296



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.



55.1761, 75.0314, 16.5765



59.1899, 83.5706, 14.2800



38.7188, 66.5473, 15.8063



16.7053, 18.2438, 16.7907



27.3168, 39.4039, 6.1660



2.3638, 3.3251, 0.5172

Inverse Universe

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



24.2007, 13.4484, 84.5438



22.5525, 10.2531, 95.3981



40.7962, 22.0037, 85.3204



15.2761, 15.4240, 19.8936



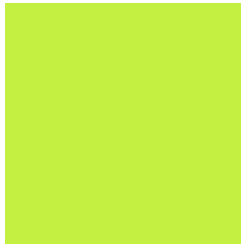
9.7798, 4.0471, 45.3936



0.9028, 0.3827, 3.7805

Previews

White Background



This preview shows how the XYZ color 55.1744, 75.0280, 16.5749 looks on a white background.

Color Contrast Check

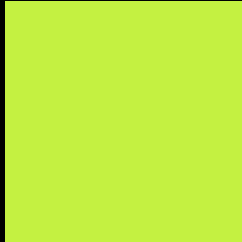
Large Text (above 18pt) WCAG AA × Fail

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 55.1744, 75.0280, 16.5749 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 55.1744, 75.0280, 16.5749

Background



This preview shows how black text looks on a background with the XYZ color 55.1744, 75.0280, 16.5749.

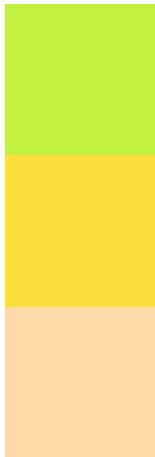


This preview shows how white text looks on a background with the XYZ color 55.1744, 75.0280,

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

55.1744, 75.0280, 16.5749

Protanopia

67.2816, 74.1575, 15.1826

Deuteranopia

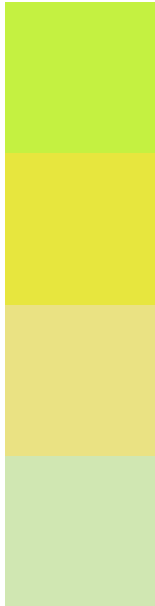
73.3793, 74.2300, 47.5061



Tritanopia

71.1272, 74.7686, 95.4770

Trichromacy



Original Color

55.1744, 75.0280, 16.5749

Protanomaly

62.1213, 73.9304, 15.5533

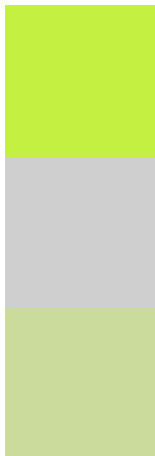
Deuteranomaly

65.2248, 73.5238, 32.2265

Tritanomaly

62.6242, 73.7761, 53.0590

Monochromacy



Original Color

55.1744, 75.0280, 16.5749

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

55.8765, 65.7261, 40.7517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1744, 75.0280, 16.5749 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(196, 241, 65)` looks like.

```
.text, #text, p{  
    color:rgb(196, 241, 65)  
}
```

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(196, 241, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 241, 65) }
```

Border

The CSS property to change the border of an element to XYZ 55.1744, 75.0280, 16.5749 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(196, 241, 65) }
```


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

```
.border{ border-color:rgb(196, 241, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 241, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 241, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 241, 65);  
box-shadow:4px 4px 4px 4px rgb(196, 241,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1744, 75.0280, 16.5749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 241, 65) }
```

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

```
.background{ background-color: rgb(196,  
241, 65) }
```

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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