

Converting Colors

XYZ(40.5716, 72.2701, 26.4612)

Have a look what the booklet for
XYZ(40.5716, 72.2701, 26.4612)
contains.

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Color

**XYZ(40.6054, 72.2831,
26.5638)**

Conversions

Conversions Part 1

Format	Color
Hex	4CFC6E
RGB	76, 252, 110
RGB Percent	30%, 99%, 43%
CMY	0.7020, 0.0117, 0.5686
CMYK	0.70, 0.00, 0.56, 0.01
HSL	132°, 97%, 64%
HSV	132°, 70%, 99%
XYZ	40.6054, 72.2831, 26.5638
YIQ	183.1880, -59.3140, -81.4740

Conversions

Conversions Part 2

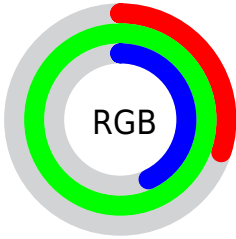
Format	Color
RYB	76, 224, 252
Decimal	5045358
CIELab	88.10, -72.15, 54.52
CIELCh	88, 90.434, 142.924
Yxy	72.2831, 0.2912, 0.5183
Android (android.graphics.Color)	4283235438 (0xFF4CFC6E)
YUV	183.1880, -36.0817, -94.0039
Hunter-Lab	85.0195, -63.5323, 40.9888

Details

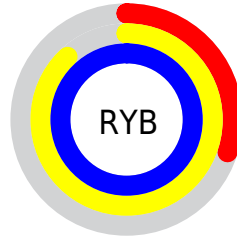
The XYZ color **40.6054, 72.2831, 26.5638** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed spring green. A complement of this color would be **55.3863, 30.9275, 69.3817**, and the grayscale version is **45.3299, 47.6905, 51.9350**.

A 20% lighter version of the original color is **54.2286, 80.2564, 48.2302**, and **20.0056, 38.8691, 10.1895** is the 20% darker color. If you saturate the color by 10%, you get **37.9986, 71.0549, 21.3121**, and if you desaturate by 10%, it is **44.2532, 74.0228, 33.1930**.

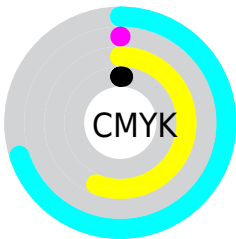
Distribution



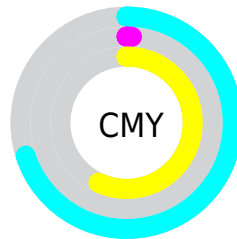
- Red (30%)
- Green (99%)
- Blue (43%)



- Red (30%)
- Yellow (88%)
- Blue (99%)



- Cyan (70%)
- Magenta (0%)
- Yellow (56%)
- Black (1%)





- Cyan (70%)
- Magenta (1%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6054, 72.2831, 26.5638 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 40.6054, 72.2831, 26.5638 by changing the saturation by 10% instead.


 40.6054, 72.2831,
26.5638


 40.6054, 72.2831,
26.5638


339.7595,
468.5264, 299.2319


 28.1972, 53.3900,
17.0164


 75.3630, 122.4589,
55.1783


 18.6156, 38.1142,
10.0841


 98.4431, 154.5104,
75.0825

 11.4952, 26.0713,
5.3484


 125.8113,
191.7168, 99.2759

 6.4707, 16.8770,
2.3908

 157.8327,
234.4626, 128.1773

 3.1767, 10.1468,
0.7814

194.8730,
283.1320, 162.2050

 1.2479, 5.4964,
0.0000

237.2973,

 0.1437, 2.5414,

338.1095, 201.7776

0.0000

285.4710,
399.7795, 247.3138

0.0000, 0.8973,
0.0000

0.0000, 0.0000,
0.0000

40.6054, 72.2831,
26.5638

40.6054, 72.2831,
26.5638

37.9986, 71.0549,
21.3121

44.2532, 74.0228,
33.1930

36.3125, 70.2719,
17.3357


49.0345, 76.3135,
41.2826


35.3714, 69.8480,
14.5244


55.0373, 79.2011,
50.9146


35.3596, 69.8427,
14.4884

62.3392, 82.7239,
62.1636

 71.0114, 86.9173,
75.0993

 81.1199, 91.8138,
89.7872

 92.7263, 97.4439,
106.2893

 94.1018, 98.1036,
108.5839

Harmonies

Analogous

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



53.7603, 72.2831, 12.1165



40.6054, 72.2831, 26.5638



35.1759, 72.2831, 64.9402

Triad

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



40.6054, 72.2831, 26.5638



63.7120, 72.2831, 265.6265



114.5012, 72.2831, 40.8658

Complementary

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



40.6054, 72.2831, 26.5638



55.3863, 30.9275, 69.3817

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.



118.7187, 72.2831, 94.2869



40.6054, 72.2831, 26.5638



86.1857, 72.2831, 246.9798

Square

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



40.6054, 72.2831, 26.5638



46.5800, 72.2831, 216.8816



107.4580, 72.2831, 174.4139



96.9111, 72.2831, 16.8323

Rectangle

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



40.6054, 72.2831, 26.5638



35.6489, 72.2831, 108.4217



107.4580, 72.2831, 174.4139



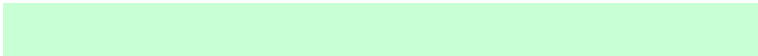
117.6622, 72.2831, 54.9828

Sweetspot

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



40.6072, 72.2861, 26.5654



71.8264, 88.7431, 75.4956



65.5522, 85.3201, 19.8513



14.8261, 18.7297, 15.3478



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.



40.6072, 72.2861, 26.5654



38.1964, 72.5993, 20.0188



47.7871, 75.1580, 64.3744



17.1544, 19.3640, 19.0136



18.4586, 36.3964, 7.7581



1.7447, 3.3850, 0.9036

Inverse Universe

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



55.3863, 30.9275, 69.3817



54.1149, 27.6676, 65.8513



46.8779, 27.5242, 24.5772



17.8408, 17.4637, 21.0175



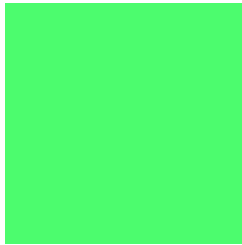
26.5995, 13.0555, 30.9290



2.4992, 1.2234, 3.0520

Previews

White Background



This preview shows how the XYZ color 40.6054, 72.2831, 26.5638 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 40.6054, 72.2831, 26.5638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

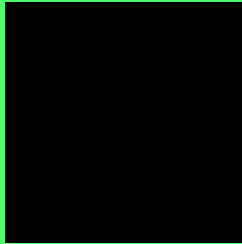
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6054, 72.2831, 26.5638

Background



This preview shows how black text looks on a background with the XYZ color 40.6054, 72.2831, 26.5638.

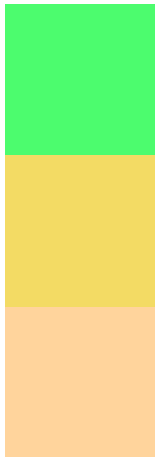


This preview shows how white text looks on a background with the XYZ color 40.6054, 72.2831,

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

40.6054, 72.2831, 26.5638

Protanopia

64.5939, 70.6378, 22.2866

Deuteranopia

70.7842, 70.7473, 41.3773



Tritanopia

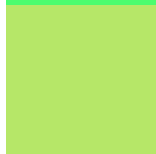
56.5029, 71.5709, 105.4443

Trichromacy



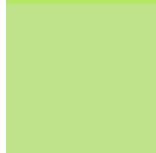
Original Color

40.6054, 72.2831, 26.5638



Protanomaly

50.3660, 68.0964, 23.5861



Deuteranomaly

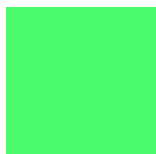
53.3645, 67.7494, 34.6904



Tritanomaly

48.4762, 70.8943, 67.0061

Monochromacy



Original Color

40.6054, 72.2831, 26.5638



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

40.0582, 53.4413, 39.6564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6054, 72.2831, 26.5638 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(76, 252, 110)` looks like.

```
.text, #text, p{  
    color:rgb(76, 252, 110)  
}
```

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(76, 252, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 252, 110) }
```

Border

The CSS property to change the border of an element to XYZ 40.6054, 72.2831, 26.5638 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(76, 252, 110) }
```


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

```
.border{ border-color:rgb(76, 252, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 252, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 252, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 252, 110);  
box-shadow:4px 4px 4px 4px rgb(76, 252,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6054, 72.2831, 26.5638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 252, 110) }
```

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

```
.background{ background-color: rgb(76, 252,  
110) }
```

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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