

Converting Colors

XYZ(40.2714, 69.3003, 20.0165)

Have a look what the booklet for
XYZ(40.2714, 69.3003, 20.0165)
contains.

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Color

**XYZ(40.4612, 69.5867,
20.1031)**

Conversions

Conversions Part 1

Format	Color
Hex	69F656
RGB	105, 246, 86
RGB Percent	41%, 96%, 34%
CMY	0.5882, 0.0353, 0.6627
CMYK	0.57, 0.00, 0.65, 0.04
HSL	113°, 90%, 65%
HSV	113°, 65%, 96%
XYZ	40.4612, 69.5867, 20.1031
YIQ	185.6010, -32.6760, -79.6520

Conversions

Conversions Part 2

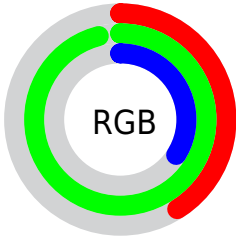
Format	Color
RYB	86, 246, 227
Decimal	6944342
CIELab	86.79, -66.95, 63.35
CIELCh	87, 92.167, 136.583
Yxy	69.5867, 0.3109, 0.5347
Android (android.graphics.Color)	4285134422 (0xFF69F656)
YUV	185.6010, -49.1033, -70.6871
Hunter-Lab	83.4186, -59.4034, 44.1047

Details

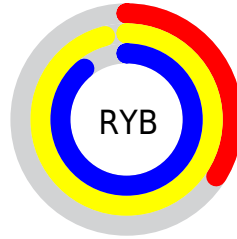
The XYZ color **40.4612, 69.5867, 20.1031** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **51.6448, 29.6428, 90.1922**, and the grayscale version is **46.7295, 49.1631, 53.5386**.

A 20% lighter version of the original color is **56.7909, 81.7978, 38.3865**, and **18.4373, 36.1838, 6.7715** is the 20% darker color. If you saturate the color by 10%, you get **37.4061, 68.1093, 15.6471**, and if you desaturate by 10%, it is **44.5096, 71.5409, 26.3881**.

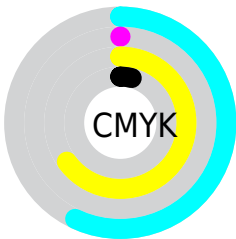
Distribution



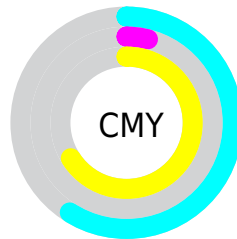
- Red (41%)
- Green (96%)
- Blue (34%)



- Red (34%)
- Yellow (96%)
- Blue (89%)



- Cyan (57%)
- Magenta (0%)
- Yellow (65%)
- Black (4%)





- Cyan (59%)
- Magenta (4%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4612, 69.5867, 20.1031 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 40.4612, 69.5867, 20.1031 by changing the saturation by 10% instead.


 40.4612, 69.5867,
20.1031


 40.4612, 69.5867,
20.1031


339.1648,
459.0975, 265.0954


 28.0841, 51.1897,
12.2852


 75.1452, 118.6192,
44.4512


 18.5299, 36.3596,
6.8133


 98.1828, 150.0234,
61.8185

 11.4331, 24.7120,
3.2690


 125.5047,
186.5321, 83.2060

 6.4283, 15.8626,
1.2336

 157.4761,
228.5298, 109.0322

 3.1504, 9.4270,
0.0064

194.4625,
276.4008, 139.7157

 1.2338, 5.0207,
0.0000

236.8292,

 0.1328, 2.2594,

330.5295, 175.6751

0.0000

284.9415,
391.3002, 217.3288

■ 0.0000, 0.7521,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.4612, 69.5867,
20.1031

■ 40.4612, 69.5867,
20.1031

■ 37.4061, 68.1093,
15.6471

■ 44.5096, 71.5409,
26.3881

■ 35.2522, 67.0593,
12.8199


■ 49.6229, 73.9990,
34.6655


■ 33.8984, 66.3918,
11.3827


■ 55.8716, 76.9962,
45.0859

■ 33.4697, 66.1786,
11.0097

■ 63.3190, 80.5621,
57.7840

 72.0233, 84.7241,
72.8836

 82.0393, 89.5081,
90.4995

 92.2472, 94.3944,
107.9657

Harmonies

Analogous

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



55.0455, 69.5867, 9.5618



40.4612, 69.5867, 20.1031



33.5676, 69.5867, 51.5168

Triad

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



40.4612, 69.5867, 20.1031



57.0179, 69.5867, 258.7188



114.1082, 69.5867, 46.7905

Complementary

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



40.4612, 69.5867, 20.1031



51.6448, 29.6428, 90.1922

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.



114.9595, 69.5867, 106.6386



40.4612, 69.5867, 20.1031



78.6334, 69.5867, 254.9041

Square

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



40.4612, 69.5867, 20.1031



41.6346, 69.5867, 198.1484



100.8789, 69.5867, 189.5097



98.7570, 69.5867, 18.2556

Rectangle

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



40.4612, 69.5867, 20.1031



33.0270, 69.5867, 90.1442



100.8789, 69.5867, 189.5097



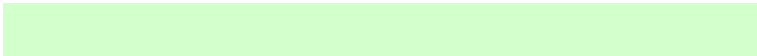
116.1989, 69.5867, 63.0079

Sweetspot

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



40.4629, 69.5896, 20.1047



73.2531, 89.5893, 70.5584



66.5240, 73.9385, 19.5705



15.1218, 18.9092, 14.1377



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.



40.4629, 69.5896, 20.1047



39.7604, 73.4996, 15.8455



41.8809, 69.9272, 37.9454



16.4649, 18.5662, 17.5134



17.9236, 35.3528, 5.8791



1.6332, 3.1370, 0.5194

Inverse Universe

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



51.6448, 29.6428, 90.1922



52.5487, 27.1113, 97.0711



50.3417, 29.8524, 50.3125



17.0086, 16.6626, 20.8623



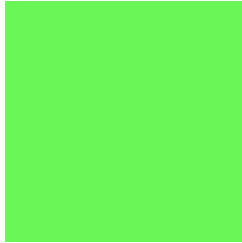
24.1990, 11.4494, 47.4725



2.1805, 1.0339, 4.1749

Previews

White Background



This preview shows how the XYZ color 40.4612, 69.5867, 20.1031 looks on a white background.

Color Contrast Check

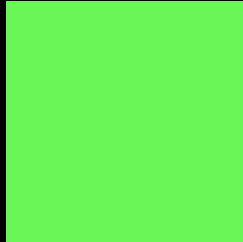
Large Text (above 18pt) WCAG AA × Fail

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 40.4612, 69.5867, 20.1031 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

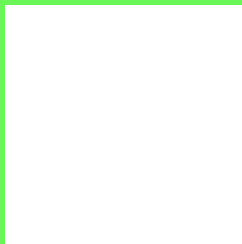
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.4612, 69.5867, 20.1031

Background



This preview shows how black text looks on a background with the XYZ color 40.4612, 69.5867, 20.1031.



This preview shows how white text looks on a background with the XYZ color 40.4612, 69.5867,

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

40.4612, 69.5867, 20.1031

Protanopia

62.2066, 68.3626, 17.1244

Deuteranopia

68.4561, 68.2358, 33.9889



Tritanopia

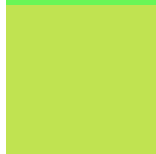
56.2109, 69.0086, 99.9799

Trichromacy



Original Color

40.4612, 69.5867, 20.1031



Protanomaly

50.6925, 66.7387, 17.9947



Deuteranomaly

53.3309, 65.8780, 27.6742



Tritanomaly

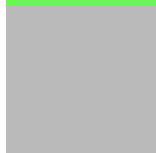
48.0421, 68.2206, 59.3510

Monochromacy



Original Color

40.4612, 69.5867, 20.1031



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

41.9655, 54.4819, 37.1584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4612, 69.5867, 20.1031 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(105, 246, 86)` looks like.

```
.text, #text, p{  
    color:rgb(105, 246, 86)  
}
```

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(105, 246, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 246, 86) }
```

Border

The CSS property to change the border of an element to XYZ 40.4612, 69.5867, 20.1031 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(105, 246, 86) }
```


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

```
.border{ border-color:rgb(105, 246, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 246, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 246, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 246, 86);  
box-shadow:4px 4px 4px 4px rgb(105, 246,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4612, 69.5867, 20.1031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 246, 86) }
```

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

```
.background{ background-color: rgb(105,  
246, 86) }
```

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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