

Converting Colors

XYZ(40.7417, 54.9458, 20.7707)

Have a look what the booklet for
XYZ(40.7417, 54.9458, 20.7707)
contains.

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Color

**XYZ(40.7054, 54.9253,
20.7682)**

Conversions

Conversions Part 1

Format	Color
Hex	A4D265
RGB	164, 210, 101
RGB Percent	64%, 82%, 40%
CMY	0.3569, 0.1765, 0.6039
CMYK	0.22, 0.00, 0.52, 0.18
HSL	85°, 55%, 61%
HSV	85°, 52%, 82%
XYZ	40.7054, 54.9253, 20.7682
YIQ	183.8200, 7.5730, -43.6510

Conversions

Conversions Part 2

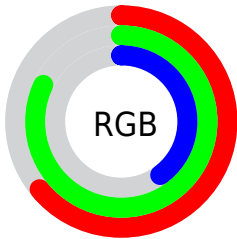
Format	Color
RYB	101, 210, 147
Decimal	10801765
CIELab	79.00, -32.59, 48.66
CIELCh	79, 58.569, 123.811
Yxy	54.9253, 0.3497, 0.4719
Android (android.graphics.Color)	4288991845 (0xFFA4D265)
YUV	183.8200, -40.8303, -17.3821
Hunter-Lab	74.1116, -31.6551, 35.2634

Details

The XYZ color **40.7054, 54.9253, 20.7682** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.3215, 20.1652, 63.3755**, and the grayscale version is **45.6772, 48.0559, 52.3329**.

A 20% lighter version of the original color is **71.4115, 89.2252, 44.0303**, and **18.5824, 26.9157, 7.1216** is the 20% darker color. If you saturate the color by 10%, you get **38.0396, 53.6569, 15.9419**, and if you desaturate by 10%, it is **43.7642, 56.3695, 26.9873**.

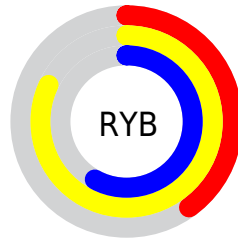
Distribution



Red (64%)

Green (82%)

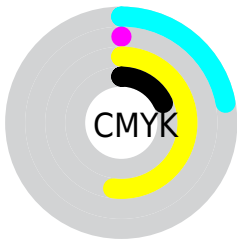
Blue (40%)



Red (40%)

Yellow (82%)

Blue (58%)

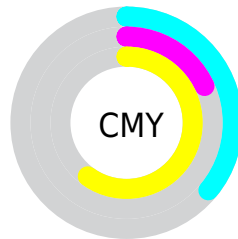


Cyan (22%)

Magenta (0%)

Yellow (52%)

Black (18%)



Cyan (36%)

Magenta (18%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7054, 54.9253, 20.7682 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 40.7054, 54.9253, 20.7682 by changing the saturation by 10% instead.

■ 40.7054, 54.9253,
20.7682

■ 40.7054, 54.9253,
20.7682

340.1715,
405.6287, 268.7845

■ 28.2756, 39.3419,
12.7651

■ 75.5140, 97.4315,
45.5772

■ 18.6750, 27.0258,
7.1382

■ 98.6236, 125.1231,
63.2202

■ 11.5383, 17.5926,
3.4689

■ 126.0237,
157.6196, 84.9135

■ 6.5001, 10.6579,
1.3388

■ 158.0799,
195.3053, 111.0757

■ 3.1950, 5.8373,
0.0932

195.1574,
238.5647, 142.1254

■ 1.2577, 2.7464,
0.0000

237.6216,

■ 0.1512, 1.0008,

287.7821, 178.4811

0.0000

285.8378,
343.3420, 220.5612

■ 0.0000, 0.0000,
0.0000

■ 40.7054, 54.9253,
20.7682

■ 40.7054, 54.9253,
20.7682

■ 38.0396, 53.6569,
15.9419

■ 43.7642, 56.3695,
26.9873

■ 35.7399, 52.5474,
12.3970

■ 47.2329, 57.9907,
34.6921

■ 33.7815, 51.5886,
10.0110

■ 51.1320, 59.7994,
43.9717

■ 32.1335, 50.7677,
8.6359

■ 55.4790, 61.8028,
54.9069

■ 30.9850, 50.1874,
8.0541

■ 60.2907, 64.0080,
67.5732

■ 65.5827, 66.4213,
82.0415

■ 71.3698, 69.0491,
98.3785

■ 75.3281, 70.9619,
104.3345

■ 78.3264, 72.5076,
104.4749

Harmonies

Analogous

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



50.7300, 54.9253, 15.9142



40.7054, 54.9253, 20.7682



34.5730, 54.9253, 35.7239

Triad

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



40.7054, 54.9253, 20.7682



42.9295, 54.9253, 137.8219



77.8981, 54.9253, 55.6406

Complementary

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



40.7054, 54.9253, 20.7682



28.3215, 20.1652, 63.3755

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.



74.9968, 54.9253, 92.8213



40.7054, 54.9253, 20.7682



53.7080, 54.9253, 149.3733

Square

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



40.7054, 54.9253, 20.7682



35.7166, 54.9253, 103.0785



65.6886, 54.9253, 130.5151



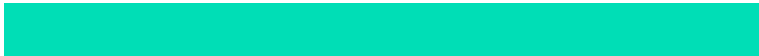
73.1170, 54.9253, 30.7371

Rectangle

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



40.7054, 54.9253, 20.7682



32.9510, 54.9253, 53.1512



65.6886, 54.9253, 130.5151



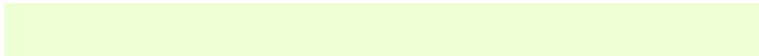
77.7924, 54.9253, 66.9907

Sweetspot

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



40.7067, 54.9277, 20.7694



83.1093, 94.5244, 77.6170



39.2727, 35.3297, 17.0622



17.4893, 20.0941, 15.8612



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.



40.7067, 54.9277, 20.7694



58.7193, 83.1072, 24.2313



31.8381, 50.3558, 20.3543



12.3012, 13.5387, 12.5769



19.0164, 30.6723, 4.9181



1.1528, 1.7612, 0.2792

Inverse Universe

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



28.3215, 20.1652, 63.3755



37.5485, 23.6038, 97.1847



40.3537, 26.3680, 63.9386



11.6298, 11.6580, 14.8809



9.6968, 4.1792, 37.4881



0.6319, 0.2799, 2.1003

Previews

White Background



This preview shows how the XYZ color 40.7054, 54.9253, 20.7682 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 40.7054, 54.9253, 20.7682 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 40.7054, 54.9253, 20.7682

Background



This preview shows how black text looks on a background with the XYZ color 40.7054, 54.9253, 20.7682.



This preview shows how white text looks on a background with the XYZ color 40.7054, 54.9253,

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

40.7054, 54.9253, 20.7682

Protanopia

49.9453, 54.4737, 18.9484

Deuteranopia

55.4726, 54.3565, 21.4780



Tritanopia

50.9221, 54.8269, 71.5171

Trichromacy



Original Color

40.7054, 54.9253, 20.7682

Protanomaly

45.8848, 54.0607, 19.5716

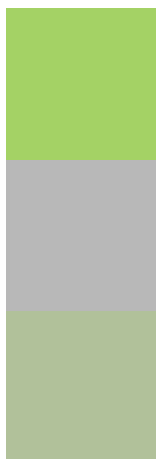
Deuteranomaly

48.9289, 53.8990, 21.1893

Tritanomaly

46.1189, 54.2569, 47.5771

Monochromacy



Original Color

40.7054, 54.9253, 20.7682

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.0342, 49.8201, 37.9200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7054, 54.9253, 20.7682 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(164, 210, 101)` looks like.

```
.text, #text, p{  
    color:rgb(164, 210, 101)  
}
```

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(164, 210, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 210, 101) }
```

Border

The CSS property to change the border of an element to XYZ 40.7054, 54.9253, 20.7682 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(164, 210, 101) }
```


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

```
.border{ border-color:rgb(164, 210, 101) }
```

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

Here you see how a box with a 4 pixel rgb(164, 210, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 210, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 210, 101);  
box-shadow:4px 4px 4px 4px rgb(164, 210,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7054, 54.9253, 20.7682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 210, 101) }
```

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

```
.background{ background-color: rgb(164,  
210, 101) }
```

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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