

Converting Colors

XYZ(40.7332, 55.0907, 20.5742)

Have a look what the booklet for
XYZ(40.7332, 55.0907, 20.5742)
contains.

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Color

**XYZ(40.6567, 54.9058,
20.5116)**

Conversions

Conversions Part 1

Format	Color
Hex	A4D264
RGB	164, 210, 100
RGB Percent	64%, 82%, 39%
CMY	0.3569, 0.1765, 0.6078
CMYK	0.22, 0.00, 0.52, 0.18
HSL	85°, 55%, 61%
HSV	85°, 52%, 82%
XYZ	40.6567, 54.9058, 20.5116
YIQ	183.7060, 7.8940, -43.9620

Conversions

Conversions Part 2

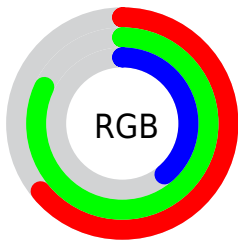
Format	Color
RYB	100, 210, 146
Decimal	10801764
CIELab	78.99, -32.69, 49.12
CIELCh	79, 59.005, 123.647
Yxy	54.9058, 0.3503, 0.4730
Android (android.graphics.Color)	4288991844 (0xFFA4D264)
YUV	183.7060, -41.2671, -17.2822
Hunter-Lab	74.0984, -31.7320, 35.4565

Details

The XYZ color **40.6567, 54.9058, 20.5116** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.0463, 19.8800, 63.3349**, and the grayscale version is **45.6164, 47.9920, 52.2633**.

A 20% lighter version of the original color is **71.3286, 89.1921, 43.5934**, and **18.5615, 26.9073, 7.0116** is the 20% darker color. If you saturate the color by 10%, you get **38.0185, 53.6502, 15.7493**, and if you desaturate by 10%, it is **43.6848, 56.3356, 26.6617**.

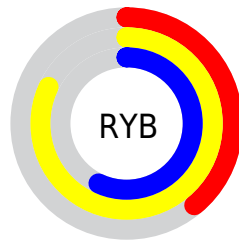
Distribution



Red (64%)

Green (82%)

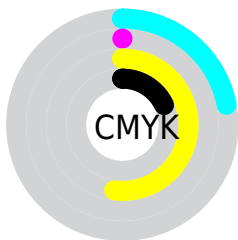
Blue (39%)



Red (39%)

Yellow (82%)

Blue (57%)

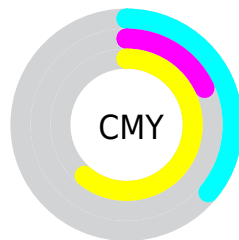


Cyan (22%)

Magenta (0%)

Yellow (52%)

Black (18%)



Cyan (36%)

Magenta (18%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6567, 54.9058, 20.5116 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 40.6567, 54.9058, 20.5116 by changing the saturation by 10% instead.

■ 40.6567, 54.9058,
20.5116

■ 40.6567, 54.9058,
20.5116

339.9709,
405.5548, 267.3667

■ 28.2374, 39.3263,
12.5797

■ 75.4405, 97.4029,
45.1435

■ 18.6461, 27.0137,
7.0125

■ 98.5357, 125.0893,
62.6805

■ 11.5173, 17.5835,
3.3913

■ 125.9203,
157.5802, 84.2564

■ 6.4858, 10.6514,
1.2978

■ 157.9595,
195.2599, 110.2896

■ 3.1861, 5.8329,
0.0600

195.0189,
238.5128, 141.1987

■ 1.2529, 2.7438,
0.0000

237.4637,

■ 0.1475, 0.9995,

287.7233, 177.4022

0.0000

285.6592,
343.2758, 219.3187

■ 0.0000, 0.0000,
0.0000

■ 40.6567, 54.9058,
20.5116

■ 40.6567, 54.9058,
20.5116

■ 38.0185, 53.6502,
15.7493

■ 43.6848, 56.3356,
26.6617

■ 35.7430, 52.5519,
12.2629

■ 47.1195, 57.9409,
34.2930

■ 33.8054, 51.6027,
9.9290

■ 50.9814, 59.7321,
43.4948

■ 32.1747, 50.7898,
8.5979

■ 55.2880, 61.7165,
54.3485

■ 31.0989, 50.2461,
8.0594

■ 60.0561, 63.9010,
66.9298

■ 65.3012, 66.2921,
81.3096

■ 71.0383, 68.8960,
97.5549

■ 75.1156, 70.8524,
104.3246

■ 78.0754, 72.3782,
104.4631

Harmonies

Analogous

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



50.7644, 54.9058, 15.7040



40.6567, 54.9058, 20.5116



34.4670, 54.9058, 35.4418

Triad

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



40.6567, 54.9058, 20.5116



42.7977, 54.9058, 138.3907



78.0971, 54.9058, 55.7667

Complementary

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



40.6567, 54.9058, 20.5116



28.0463, 19.8800, 63.3349

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.



75.1274, 54.9058, 93.2996



40.6567, 54.9058, 20.5116



53.6345, 54.9058, 150.2362

Square

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



40.6567, 54.9058, 20.5116



35.5668, 54.9058, 103.2085



65.7124, 54.9058, 131.3227



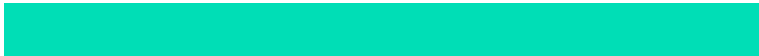
73.3127, 54.9058, 30.6519

Rectangle

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



40.6567, 54.9058, 20.5116



32.8207, 54.9058, 52.9137



65.7124, 54.9058, 131.3227



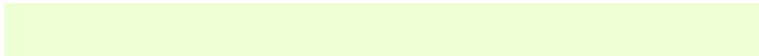
77.9756, 54.9058, 67.2227

Sweetspot

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



40.6580, 54.9082, 20.5128



83.1618, 94.5515, 77.6195



39.1339, 35.1301, 16.7755



17.5019, 20.1005, 15.8618



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.



40.6580, 54.9082, 20.5128



58.4892, 83.0021, 23.6105



31.6757, 50.2777, 20.0924



12.3057, 13.5410, 12.5771



19.0858, 30.7081, 4.9213



1.1565, 1.7631, 0.2794

Inverse Universe

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



28.0463, 19.8800, 63.3349



36.8902, 22.9207, 97.0876



40.2348, 26.1633, 63.9053



11.6255, 11.6558, 14.8807



9.6496, 4.1548, 37.4859



0.6291, 0.2785, 2.1002

Previews

White Background



This preview shows how the XYZ color 40.6567, 54.9058, 20.5116 looks on a white background.

Color Contrast Check

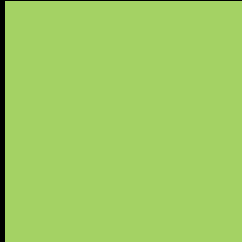
Large Text (above 18pt) WCAG AA × Fail

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 40.6567, 54.9058, 20.5116 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 40.6567, 54.9058, 20.5116

Background



This preview shows how black text looks on a background with the XYZ color 40.6567, 54.9058, 20.5116.



This preview shows how white text looks on a background with the XYZ color 40.6567, 54.9058,

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

40.6567, 54.9058, 20.5116

Protanopia

49.8996, 54.4554, 18.7074

Deuteranopia

55.4203, 54.3356, 21.2025



Tritanopia

50.7947, 54.7760, 70.8464

Trichromacy



Original Color

40.6567, 54.9058, 20.5116

Protanomaly

45.8379, 54.0419, 19.3245

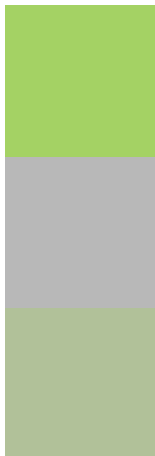
Deuteranomaly

48.8778, 53.8786, 20.9202

Tritanomaly

46.0225, 54.2183, 47.0693

Monochromacy



Original Color

40.6567, 54.9058, 20.5116

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

42.9512, 49.7869, 37.4831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6567, 54.9058, 20.5116 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(164, 210, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 210, 100) }
```

Border

The CSS property to change the border of an element to XYZ 40.6567, 54.9058, 20.5116 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, 100) }
```


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

```
.border{ border-color:rgb(164, 210, 100) }
```

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, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 210, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 210, 100);  
box-shadow:4px 4px 4px 4px rgb(164, 210,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6567, 54.9058, 20.5116 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, 100) }
```

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

```
.background{ background-color: rgb(164,  
210, 100) }
```

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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