

Converting Colors

XYZ(40.7747, 56.2619, 25.3232)

Have a look what the booklet for
XYZ(40.7747, 56.2619, 25.3232)
contains.

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Color

**XYZ(40.9093, 56.4220,
25.2574)**

Conversions

Conversions Part 1

Format	Color
Hex	9CD674
RGB	156, 214, 116
RGB Percent	61%, 84%, 45%
CMY	0.3882, 0.1608, 0.5451
CMYK	0.27, 0.00, 0.46, 0.16
HSL	96°, 54%, 65%
HSV	96°, 46%, 84%
XYZ	40.9093, 56.4220, 25.2574
YIQ	185.4860, -3.1100, -42.7740

Conversions

Conversions Part 2

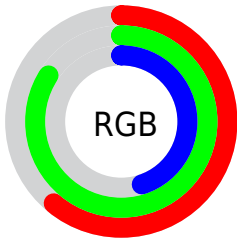
Format	Color
RYB	116, 214, 174
Decimal	10278516
CIELab	79.85, -35.65, 42.38
CIElCh	80, 55.378, 130.071
Yxy	56.4220, 0.3337, 0.4603
Android (android.graphics.Color)	4288468596 (0xFF9CD674)
YUV	185.4860, -34.2566, -25.8592
Hunter-Lab	75.1146, -34.2349, 32.6438

Details

The XYZ color **40.9093, 56.4220, 25.2574** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **35.8409, 26.3461, 66.8177**, and the grayscale version is **46.5726, 48.9980, 53.3588**.

A 20% lighter version of the original color is **70.1671, 88.4193, 51.3987**, and **18.8318, 28.0027, 9.4136** is the 20% darker color. If you saturate the color by 10%, you get **37.4809, 54.7840, 19.3309**, and if you desaturate by 10%, it is **44.8829, 58.3114, 32.7085**.

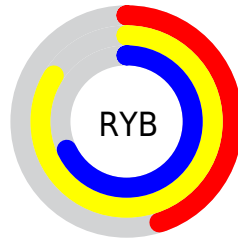
Distribution



Red (61%)

Green (84%)

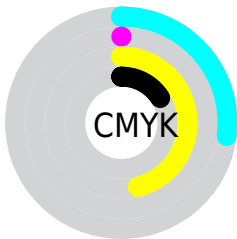
Blue (45%)



Red (45%)

Yellow (84%)

Blue (68%)

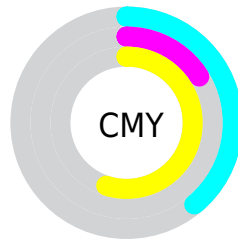


Cyan (27%)

Magenta (0%)

Yellow (46%)

Black (16%)



Cyan (39%)

Magenta (16%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9093, 56.4220, 25.2574 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 40.9093, 56.4220, 25.2574 by changing the saturation by 10% instead.

40.9093, 56.4220,
25.2574

40.9093, 56.4220,
25.2574

341.0105,
411.2799, 292.6060

28.4356, 40.5414,
16.0482

75.8218, 99.6213,
53.0438

18.7964, 27.9609,
9.4035

98.9912, 127.7088,
72.4580

11.6264, 18.2962,
4.9049

126.4566,
160.6340, 96.1110

6.5602, 11.1628,
2.1338

158.5834,
198.7813, 124.4213

3.2325, 6.1765,
0.6358

195.7367,
242.5352, 157.8073

1.2779, 2.9527,
0.0000

238.2822,

0.1666, 1.1071,

292.2800, 196.6878

0.0000

286.5849,
348.4001, 241.4812

■ 0.0000, 0.0000,
0.0000

■ 40.9093, 56.4220,
25.2574

■ 40.9093, 56.4220,
25.2574

■ 37.4809, 54.7840,
19.3309

■ 44.8829, 58.3114,
32.7085

■ 34.5658, 53.3780,
14.8197

■ 49.4229, 60.4559,
41.7759

■ 32.1346, 52.1933,
11.6061


■ 54.5547, 62.8683,
52.5486


■ 30.1524, 51.2149,
9.5516


■ 60.3004, 65.5583,
65.1078


■ 28.5779, 50.4251,
8.4853

■ 66.6810, 68.5350,
79.5297

 28.0103, 50.1382,
8.2014

 73.7165, 71.8072,
95.8860

 79.6368, 74.6676,
104.8227

 83.3377, 76.5754,
104.9959

Harmonies

Analogous

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



49.9442, 56.4220, 18.4836



40.9093, 56.4220, 25.2574



35.8022, 56.4220, 42.6968

Triad

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



40.9093, 56.4220, 25.2574



46.6081, 56.4220, 139.7026



77.7840, 56.4220, 51.2548

Complementary

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



40.9093, 56.4220, 25.2574



35.8409, 26.3461, 66.8177

Split Complementary

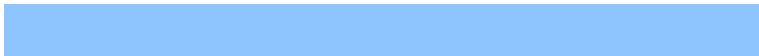
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5616, 56.4220, 84.9795



40.9093, 56.4220, 25.2574



57.4874, 56.4220, 144.5062

Square

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



40.9093, 56.4220, 25.2574



38.7606, 56.4220, 110.3814



68.7410, 56.4220, 121.8470



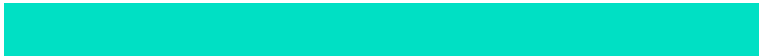
71.8793, 56.4220, 29.6376

Rectangle

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



40.9093, 56.4220, 25.2574



34.8249, 56.4220, 61.5108



68.7410, 56.4220, 121.8470



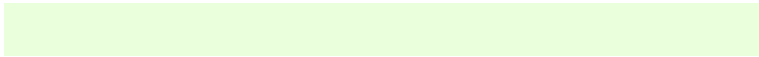
78.2105, 56.4220, 61.3572

Sweetspot

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



40.9107, 56.4244, 25.2586



82.4749, 94.1208, 81.0453



45.8617, 45.5104, 22.8911



17.2736, 19.9678, 16.5318



0.0000, 0.0000, 0.0000



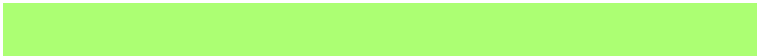
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.9107, 56.4244, 25.2586



55.8514, 81.5217, 28.9359



34.8994, 53.2682, 27.5675



12.7376, 14.1409, 13.2188



17.0409, 30.3612, 4.9622



1.1204, 1.8790, 0.3036

Inverse Universe

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



35.8409, 26.3461, 66.8177



47.3775, 31.3976, 98.1710



45.0995, 31.2366, 61.9415



12.4401, 12.3683, 15.6692



12.7167, 5.7082, 38.8847



0.8598, 0.3921, 2.3497

Previews

White Background



This preview shows how the XYZ color 40.9093, 56.4220, 25.2574 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 40.9093, 56.4220, 25.2574 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 40.9093, 56.4220, 25.2574

Background



This preview shows how black text looks on a background with the XYZ color 40.9093, 56.4220, 25.2574.



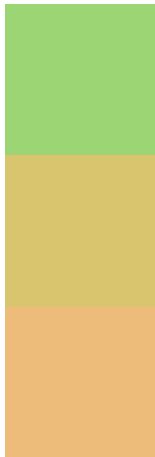
This preview shows how white text looks on a background with the XYZ color 40.9093, 56.4220,

25.2574.

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

40.9093, 56.4220, 25.2574

Protanopia

51.3960, 55.8100, 22.8154

Deuteranopia

56.7560, 55.5487, 26.1430



Tritanopia

50.7887, 56.0737, 74.4761

Trichromacy



Original Color

40.9093, 56.4220, 25.2574

Protanomaly

46.7862, 55.4838, 23.5728

Deuteranomaly

49.3688, 54.6985, 25.7251

Tritanomaly

46.1377, 55.5858, 52.0135

Monochromacy



Original Color

40.9093, 56.4220, 25.2574

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

43.5406, 51.0166, 40.8101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9093, 56.4220, 25.2574 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(156, 214, 116)` looks like.

```
.text, #text, p{  
    color:rgb(156, 214, 116)  
}
```

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(156, 214, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 214, 116) }
```

Border

The CSS property to change the border of an element to XYZ 40.9093, 56.4220, 25.2574 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(156, 214, 116) }
```


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

```
.border{ border-color:rgb(156, 214, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 214, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 214, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 214, 116);  
box-shadow:4px 4px 4px 4px rgb(156, 214,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9093, 56.4220, 25.2574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 214, 116) }
```

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

```
.background{ background-color: rgb(156,  
214, 116) }
```

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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