

Converting Colors

XYZ(40.2416, 53.6221, 27.6314)

Have a look what the booklet for
XYZ(40.2416, 53.6221, 27.6314)
contains.

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Color

**XYZ(40.3581, 53.8615,
27.6713)**

Conversions

Conversions Part 1

Format	Color
Hex	9ED07D
RGB	158, 208, 125
RGB Percent	62%, 82%, 49%
CMY	0.3804, 0.1843, 0.5098
CMYK	0.24, 0.00, 0.40, 0.18
HSL	96°, 47%, 65%
HSV	96°, 40%, 82%
XYZ	40.3581, 53.8615, 27.6713
YIQ	183.5880, -3.1570, -36.4130

Conversions

Conversions Part 2

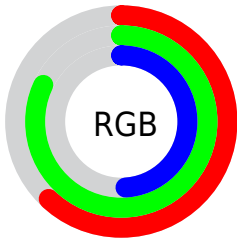
Format	Color
RYB	125, 208, 175
Decimal	10408061
CIELab	78.38, -31.01, 36.04
CIELCh	78, 47.543, 130.703
Yxy	53.8615, 0.3311, 0.4419
Android (android.graphics.Color)	4288598141 (0xFF9ED07D)
YUV	183.5880, -28.8839, -22.4407
Hunter-Lab	73.3904, -30.2743, 29.0184

Details

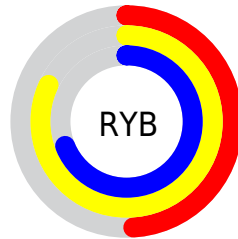
The XYZ color **40.3581, 53.8615, 27.6713** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **36.4003, 28.3369, 63.2285**, and the grayscale version is **45.4893, 47.8583, 52.1177**.

A 20% lighter version of the original color is **71.6282, 89.0708, 56.0650**, and **18.4530, 26.2801, 10.5786** is the 20% darker color. If you saturate the color by 10%, you get **36.8259, 52.1800, 21.2814**, and if you desaturate by 10%, it is **44.4227, 55.7886, 35.5408**.

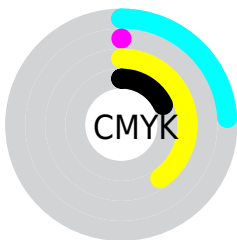
Distribution



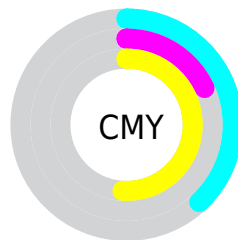
- Red (62%)
- Green (82%)
- Blue (49%)



- Red (49%)
- Yellow (82%)
- Blue (69%)



- Cyan (24%)
- Magenta (0%)
- Yellow (40%)
- Black (18%)



- Cyan (38%)
- Magenta (18%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3581, 53.8615, 27.6713 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 40.3581, 53.8615, 27.6713 by changing the saturation by 10% instead.

■ 40.3581, 53.8615,
27.6713

■ 40.3581, 53.8615,
27.6713

338.7392,
401.5816, 304.7553

■ 28.0033, 38.4909,
17.8411

■ 74.9894, 95.8709,
56.9760

■ 18.4686, 26.3639,
10.6677

■ 97.9966, 123.2785,
77.2876

■ 11.3887, 17.0961,
5.7325

■ 125.2853,
155.4672, 101.9301

■ 6.3981, 10.3030,
2.6170

157.2209,
192.8214, 131.3221

■ 3.1316, 5.6003,
0.9012

194.1688,
235.7256, 165.8821

■ 1.2237, 2.6036,
0.0000

236.4942,

■ 0.1250, 0.9285,

284.5641, 206.0286

0.0000

284.5625,
339.7213, 252.1801

■ 0.0000, 0.0000,
0.0000

■ 40.3581, 53.8615,
27.6713

■ 40.3581, 53.8615,
27.6713

■ 36.8259, 52.1800,
21.2814

■ 44.4227, 55.7886,
35.5408

■ 33.7970, 50.7262,
16.2750

■ 49.0388, 57.9643,
44.9709

■ 31.2454, 49.4906,
12.5502


■ 54.2293, 60.4005,
56.0410


■ 29.1406, 48.4601,
9.9897


■ 60.0149, 63.1061,
68.8240


■ 27.4476, 47.6195,
8.4543


■ 66.4147, 66.0896,
83.3884

 26.1089, 46.9449,
7.6909

 73.4472, 69.3590,
99.7990

 26.0973, 46.9390,
7.6847

 78.5142, 71.8759,
104.3430

 81.8470, 73.5940,
104.4990

Harmonies

Analogous

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



47.9321, 53.8615, 21.2497



40.3581, 53.8615, 27.6713



36.0533, 53.8615, 43.2466

Triad

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



40.3581, 53.8615, 27.6713



45.4886, 53.8615, 121.7697



70.9328, 53.8615, 49.6077

Complementary

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



40.3581, 53.8615, 27.6713



36.4003, 28.3369, 63.2285

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.



70.0712, 53.8615, 77.3255



40.3581, 53.8615, 27.6713



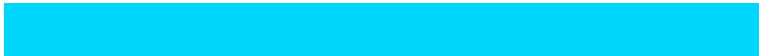
54.6001, 53.8615, 125.0431

Square

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



40.3581, 53.8615, 27.6713



38.7569, 53.8615, 98.9613



63.8136, 53.8615, 106.8832



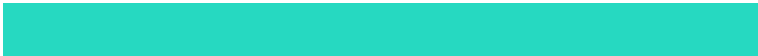
66.0416, 53.8615, 31.1051

Rectangle

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



40.3581, 53.8615, 27.6713



35.2621, 53.8615, 59.2794



63.8136, 53.8615, 106.8832



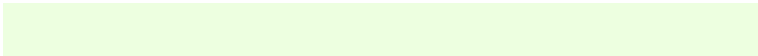
71.3200, 53.8615, 58.0172

Sweetspot

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



40.3594, 53.8638, 27.6725



84.0489, 94.8533, 84.6844



45.0073, 45.4749, 25.8083



17.7516, 20.1908, 17.6137



0.0000, 0.0000, 0.0000



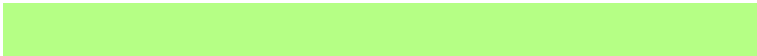
20.3446, 21.4041, 23.3091

Same Dimension

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



40.3594, 53.8638, 27.6725



59.0833, 83.0577, 34.9634



35.2694, 51.1760, 30.3192



12.0947, 13.4323, 12.5673



16.3666, 29.3062, 4.7941



1.0035, 1.6842, 0.2722

Inverse Universe

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



36.4003, 28.3369, 63.2285



51.9307, 37.0561, 99.0232



43.7384, 32.2347, 58.3792



11.8371, 11.7648, 14.8906



12.5066, 5.6277, 37.6196



0.7874, 0.3601, 2.1076

Previews

White Background



This preview shows how the XYZ color 40.3581, 53.8615, 27.6713 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 40.3581, 53.8615, 27.6713 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 40.3581, 53.8615, 27.6713

Background



This preview shows how black text looks on a background with the XYZ color 40.3581, 53.8615, 27.6713.



This preview shows how white text looks on a background with the XYZ color 40.3581, 53.8615,

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

40.3581, 53.8615, 27.6713

Protanopia

49.2637, 53.3207, 25.1482

Deuteranopia

54.3332, 53.2986, 28.5431



Tritanopia

49.2176, 53.9629, 70.7726

Trichromacy



Original Color

40.3581, 53.8615, 27.6713

Protanomaly

45.3835, 52.9751, 25.9224

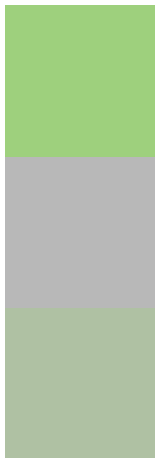
Deuteranomaly

47.8681, 52.5358, 28.0396

Tritanomaly

45.3974, 53.7927, 51.7064

Monochromacy



Original Color

40.3581, 53.8615, 27.6713

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.3600, 49.8982, 41.9963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3581, 53.8615, 27.6713 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(158, 208, 125)` looks like.

```
.text, #text, p{  
    color:rgb(158, 208, 125)  
}
```

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(158, 208, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 208, 125) }
```

Border

The CSS property to change the border of an element to XYZ 40.3581, 53.8615, 27.6713 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(158, 208, 125) }
```


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

```
.border{ border-color:rgb(158, 208, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 208, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 208, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 208, 125);  
box-shadow:4px 4px 4px 4px rgb(158, 208,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3581, 53.8615, 27.6713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 208, 125) }
```

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

```
.background{ background-color: rgb(158,  
208, 125) }
```

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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