

Converting Colors

XYZ(40.8810, 54.1472, 27.0363)

Have a look what the booklet for
XYZ(40.8810, 54.1472, 27.0363)
contains.

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Color

**XYZ(40.8290, 54.1189,
27.0330)**

Conversions

Conversions Part 1

Format	Color
Hex	A1D07B
RGB	161, 208, 123
RGB Percent	63%, 82%, 48%
CMY	0.3686, 0.1843, 0.5176
CMYK	0.23, 0.00, 0.41, 0.18
HSL	93°, 47%, 65%
HSV	93°, 41%, 82%
XYZ	40.8290, 54.1189, 27.0330
YIQ	184.2570, -0.7270, -36.3990

Conversions

Conversions Part 2

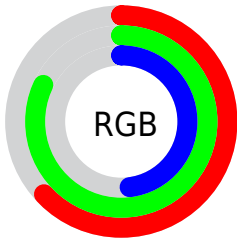
Format	Color
RYB	123, 208, 170
Decimal	10604667
CIELab	78.53, -30.20, 37.28
CIELCh	79, 47.977, 129.005
Yxy	54.1189, 0.3347, 0.4437
Android (android.graphics.Color)	4288794747 (0xFFA1D07B)
YUV	184.2570, -30.1997, -20.3964
Hunter-Lab	73.5655, -29.6719, 29.7087

Details

The XYZ color **40.8290, 54.1189, 27.0330** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **35.0480, 27.2676, 63.0935**, and the grayscale version is **45.8654, 48.2540, 52.5486**.

A 20% lighter version of the original color is **72.3111, 89.4460, 55.0486**, and **18.6243, 26.3761, 10.2404** is the 20% darker color. If you saturate the color by 10%, you get **37.4509, 52.5139, 20.7853**, and if you desaturate by 10%, it is **44.6998, 55.9493, 34.7500**.

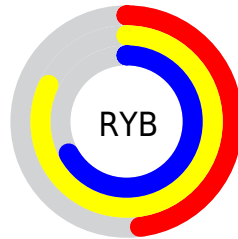
Distribution



Red (63%)

Green (82%)

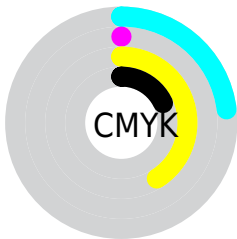
Blue (48%)



Red (48%)

Yellow (82%)

Blue (67%)

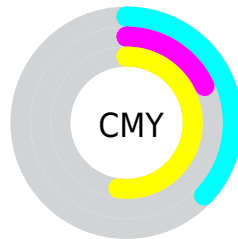


Cyan (23%)

Magenta (0%)

Yellow (41%)

Black (18%)



Cyan (37%)


Magenta (18%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8290, 54.1189, 27.0330 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 40.8290, 54.1189, 27.0330 by changing the saturation by 10% instead.


 40.8290, 54.1189,
27.0330


 40.8290, 54.1189,
27.0330


340.6802,
402.5633, 301.5821


 28.3726, 38.6967,
17.3654


 75.7006, 96.2488,
55.9412

 18.7486, 26.5239,
10.3306

 98.8465, 123.7253,
76.0188

 11.5917, 17.2160,
5.5103


 126.2862,
155.9887, 100.4035

 6.5365, 10.3886,
2.4857

158.3851,
193.4235, 129.5139

 3.2177, 5.6574,
0.8326

195.5087,
236.4139, 163.7683

 1.2699, 2.6379,
0.0000

238.0221,

 0.1605, 0.9457,

285.3444, 203.5855

0.0000

286.2909,
340.5994, 249.3839

■ 0.0000, 0.0000,
0.0000

■ 40.8290, 54.1189,
27.0330

■ 40.8290, 54.1189,
27.0330

■ 37.4509, 52.5139,
20.7853

■ 44.6998, 55.9493,
34.7500

■ 34.5379, 51.1171,
15.9100

■ 49.0808, 58.0071,
44.0180

■ 32.0658, 49.9199,
12.3042


■ 53.9936, 60.3036,
54.9168


■ 30.0058, 48.9101,
9.8489


■ 59.4571, 62.8469,
67.5197


■ 28.3244, 48.0736,
8.4024


■ 65.4894, 65.6447,
81.8956

 27.0695, 47.4403,
7.7302

 72.1075, 68.7045,
98.1095

 77.0589, 71.1257,
104.2749

 81.1215, 73.2200,
104.4651

 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.



48.6466, 54.1189, 21.0247



40.8290, 54.1189, 27.0330



36.2711, 54.1189, 42.1789

Triad

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



40.8290, 54.1189, 27.0330



45.1990, 54.1189, 122.0840



71.5525, 54.1189, 51.1511

Complementary

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



40.8290, 54.1189, 27.0330



35.0480, 27.2676, 63.0935

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.



70.3353, 54.1189, 79.6065



40.8290, 54.1189, 27.0330



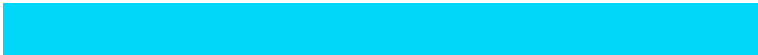
54.3350, 54.1189, 126.7137

Square

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



40.8290, 54.1189, 27.0330



38.5711, 54.1189, 98.1206



63.7428, 54.1189, 109.3201



66.8896, 54.1189, 31.8677

Rectangle

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



40.8290, 54.1189, 27.0330



35.3260, 54.1189, 58.0270



63.7428, 54.1189, 109.3201



71.8285, 54.1189, 59.8348

Sweetspot

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



40.8303, 54.1213, 27.0342



84.5553, 95.1144, 84.7081



43.9176, 43.4979, 24.8209



17.8705, 20.2521, 17.6193



0.0000, 0.0000, 0.0000



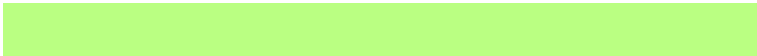
20.3446, 21.4041, 23.3091

Same Dimension

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



40.8303, 54.1213, 27.0342



60.0194, 83.5603, 34.1021



34.5730, 50.8641, 28.1607



12.1509, 13.4612, 12.5699



16.9781, 29.6215, 4.8227



1.0400, 1.7030, 0.2739

Inverse Universe

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



35.0480, 27.2676, 63.0935



49.6308, 35.3605, 98.8172



43.9667, 31.9250, 60.8173



11.7797, 11.7353, 14.8879



11.6168, 5.1689, 37.5779



0.7401, 0.3357, 2.1054

Previews

White Background



This preview shows how the XYZ color 40.8290, 54.1189, 27.0330 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 40.8290, 54.1189, 27.0330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

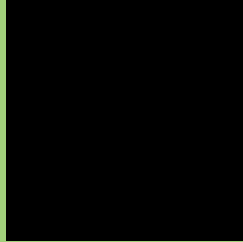
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8290, 54.1189, 27.0330

Background



This preview shows how black text looks on a background with the XYZ color 40.8290, 54.1189, 27.0330.



This preview shows how white text looks on a background with the XYZ color 40.8290, 54.1189,

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

40.8290, 54.1189, 27.0330

Protanopia

49.7132, 53.8886, 24.9209

Deuteranopia

54.5240, 53.4122, 27.8579



Tritanopia

49.4321, 53.7353, 70.7174

Trichromacy



Original Color

40.8290, 54.1189, 27.0330

Protanomaly

45.8059, 53.5404, 25.6894

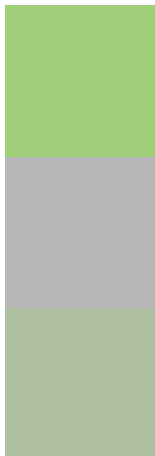
Deuteranomaly

48.2895, 52.7681, 27.3788

Tritanomaly

45.4870, 53.5036, 51.1098

Monochromacy



Original Color

40.8290, 54.1189, 27.0330

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.4960, 49.9787, 41.5368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8290, 54.1189, 27.0330 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(161, 208, 123)` looks like.

```
.text, #text, p{  
    color:rgb(161, 208, 123)  
}
```

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(161, 208, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 208, 123) }
```

Border

The CSS property to change the border of an element to XYZ 40.8290, 54.1189, 27.0330 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(161, 208, 123) }
```


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

```
.border{ border-color:rgb(161, 208, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 208, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 208, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 208, 123);  
box-shadow:4px 4px 4px 4px rgb(161, 208,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8290, 54.1189, 27.0330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 208, 123) }
```

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

```
.background{ background-color: rgb(161,  
208, 123) }
```

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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