

Converting Colors

XYZ(40.3997, 56.5763, 34.4243)

Have a look what the booklet for
XYZ(40.3997, 56.5763, 34.4243)
contains.

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Color

**XYZ(40.4229, 56.7274,
34.4102)**

Conversions

Conversions Part 1

Format	Color
Hex	8DD88E
RGB	141, 216, 142
RGB Percent	55%, 85%, 56%
CMY	0.4471, 0.1529, 0.4431
CMYK	0.35, 0.00, 0.34, 0.15
HSL	121°, 49%, 70%
HSV	121°, 35%, 85%
XYZ	40.4229, 56.7274, 34.4102
YIQ	185.1390, -20.9460, -38.9140

Conversions

Conversions Part 2

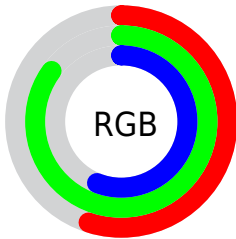
Format	Color
RYB	141, 215, 216
Decimal	9296014
CIELab	80.03, -37.90, 29.33
CIElCh	80, 47.921, 142.259
Yxy	56.7274, 0.3073, 0.4312
Android (android.graphics.Color)	4287486094 (0xFF8DD88E)
YUV	185.1390, -21.2675, -38.7099
Hunter-Lab	75.3176, -36.0050, 25.6346

Details

The XYZ color **40.4229, 56.7274, 34.4102** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **50.1114, 38.5562, 69.0932**, and the grayscale version is **46.3157, 48.7277, 53.0645**.

A 20% lighter version of the original color is **68.7498, 87.3758, 65.4663**, and **18.5637, 28.2713, 14.3760** is the 20% darker color. If you saturate the color by 10%, you get **35.6521, 54.4371, 26.6181**, and if you desaturate by 10%, it is **46.2189, 59.5141, 43.8496**.

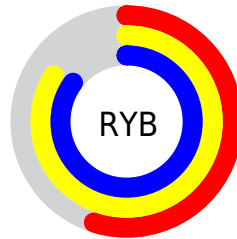
Distribution



Red (55%)

Green (85%)

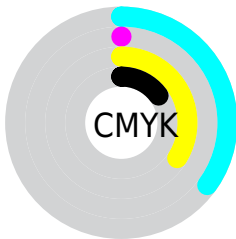
Blue (56%)



Red (55%)

Yellow (84%)

Blue (85%)

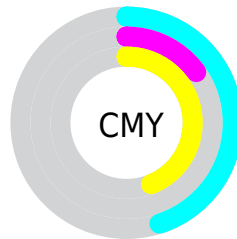


Cyan (35%)

Magenta (0%)

Yellow (34%)

Black (15%)



Cyan (45%)


Magenta (15%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4229, 56.7274, 34.4102 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 40.4229, 56.7274, 34.4102 by changing the saturation by 10% instead.


 40.4229, 56.7274,
34.4102


 40.4229, 56.7274,
34.4102


339.0068,
412.4271, 336.7821

 28.0541, 40.7864,
22.9290


 75.0873, 100.0673,
67.7122

 18.5071, 28.1522,
14.3363


 98.1136, 128.2350,
90.3701

 11.4166, 18.4404,
8.2135


125.4232,
161.2472, 117.5907

 6.4171, 11.2667,
4.1421

157.3813,
199.4880, 149.7924

 3.1434, 6.2465,
1.7036

194.3534,
243.3420, 187.3939

 1.2300, 2.9955,
0.3632

236.7048,

 0.1299, 1.1294,

293.1936, 230.8136

0.0000

284.8008,
349.4272, 280.4702

■ 0.0000, 0.0029,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.4229, 56.7274,
34.4102

■ 40.4229, 56.7274,
34.4102

■ 35.6521, 54.4371,
26.6181

■ 46.2189, 59.5141,
43.8496

■ 31.8427, 52.6076,
20.3753


■ 53.0902, 62.8163,
55.0192


■ 28.9309, 51.2096,
15.5797


■ 61.0889, 66.6607,
68.0007

■ 26.8430, 50.2078,
12.1151

■ 70.2626, 71.0703,
82.8695

 25.4941, 49.5612,
9.8473

 80.6559, 76.0666,
99.6970

 24.7804, 49.2198,
8.6144

 83.8469, 77.5939,
105.1656

 24.5727, 49.1202,
8.2688

Harmonies

Analogous

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



47.1305, 56.7274, 24.2387



40.4229, 56.7274, 34.4102



37.4085, 56.7274, 54.8200

Triad

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



40.4229, 56.7274, 34.4102



51.4343, 56.7274, 131.6109



73.1730, 56.7274, 43.5966

Complementary

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



40.4229, 56.7274, 34.4102



50.1114, 38.5562, 69.0932

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.



74.6847, 56.7274, 69.2763



40.4229, 56.7274, 34.4102



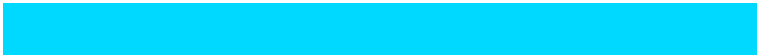
61.3271, 56.7274, 125.8874

Square

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



40.4229, 56.7274, 34.4102



43.2479, 56.7274, 114.6275



70.1242, 56.7274, 100.7553



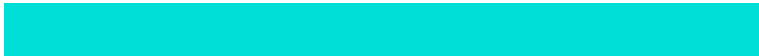
66.2122, 56.7274, 28.3209

Rectangle

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



40.4229, 56.7274, 34.4102



37.6097, 56.7274, 73.8686



70.1242, 56.7274, 100.7553



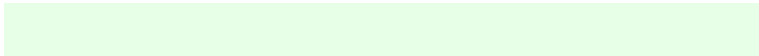
74.3666, 56.7274, 51.0641

Sweetspot

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



40.4244, 56.7298, 34.4115



82.4934, 93.9646, 88.5345



57.6849, 65.6366, 34.8287



17.3089, 19.9450, 18.3850



0.0000, 0.0000, 0.0000



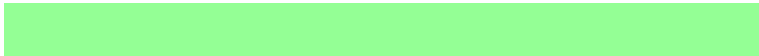
20.3446, 21.4041, 23.3091

Same Dimension

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



40.4244, 56.7298, 34.4115



53.4058, 79.9870, 41.1960



43.6282, 58.0113, 51.2825



12.2691, 13.8986, 13.2315



14.5471, 29.0742, 4.9106



0.8798, 1.7546, 0.3089

Inverse Universe

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



50.1114, 38.5562, 69.0932



69.6349, 49.5367, 99.2974



45.9317, 36.8843, 47.0832



12.9456, 12.6297, 15.6536



23.8831, 11.4895, 38.2838



1.4429, 0.6939, 2.3215

Previews

White Background



This preview shows how the XYZ color 40.4229, 56.7274, 34.4102 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 40.4229, 56.7274, 34.4102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

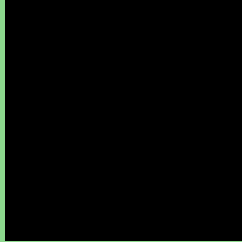
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4229, 56.7274, 34.4102

Background



This preview shows how black text looks on a background with the XYZ color 40.4229, 56.7274, 34.4102.



This preview shows how white text looks on a background with the XYZ color 40.4229, 56.7274,

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

40.4229, 56.7274, 34.4102

Protanopia

52.0009, 55.9499, 30.6129

Deuteranopia

57.1472, 55.8569, 35.7865



Tritanopia

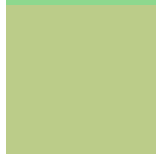
49.1009, 56.5382, 78.1371

Trichromacy



Original Color

40.4229, 56.7274, 34.4102



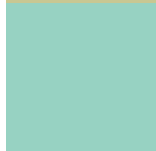
Protanomaly

46.6017, 55.5567, 31.9342



Deuteranomaly

49.4311, 55.2015, 35.2438



Tritanomaly

45.5467, 56.5675, 59.5570

Monochromacy



Original Color

40.4229, 56.7274, 34.4102



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.2635, 50.7794, 45.0573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4229, 56.7274, 34.4102 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(141, 216, 142)` looks like.

```
.text, #text, p{  
    color:rgb(141, 216, 142)  
}
```

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(141, 216, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 216, 142) }
```

Border

The CSS property to change the border of an element to XYZ 40.4229, 56.7274, 34.4102 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(141, 216, 142) }
```


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

```
.border{ border-color:rgb(141, 216, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 216, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 216, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 216, 142); box-shadow:4px 4px 4px 4px rgb(141, 216, 142) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4229, 56.7274, 34.4102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 216, 142) }
```

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

```
.background{ background-color: rgb(141,  
216, 142) }
```

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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