

Converting Colors

XYZ(40.4965, 55.8294, 45.8111)

Have a look what the booklet for
XYZ(40.4965, 55.8294, 45.8111)
contains.

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Color

**XYZ(40.4745, 55.7456,
45.6725)**

Conversions

Conversions Part 1

Format	Color
Hex	83D6A8
RGB	131, 214, 168
RGB Percent	51%, 84%, 66%
CMY	0.4863, 0.1608, 0.3412
CMYK	0.39, 0.00, 0.21, 0.16
HSL	147°, 50%, 68%
HSV	147°, 39%, 84%
XYZ	40.4745, 55.7456, 45.6725
YIQ	183.9390, -34.7020, -31.9020

Conversions

Conversions Part 2

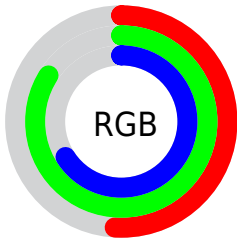
Format	Color
RYB	131, 188, 214
Decimal	8640168
CIELab	79.47, -35.33, 14.89
CIElCh	79, 38.342, 157.152
Yxy	55.7456, 0.2852, 0.3929
Android (android.graphics.Color)	4286830248 (0xFF83D6A8)
YUV	183.9390, -7.8579, -46.4275
Hunter-Lab	74.6630, -33.8961, 15.9955

Details

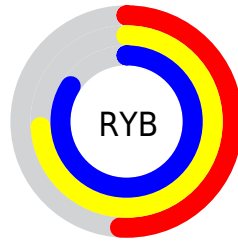
The XYZ color **40.4745, 55.7456, 45.6725** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **43.7855, 33.7043, 45.7949**, and the grayscale version is **45.5832, 47.9571, 52.2253**.

A 20% lighter version of the original color is **69.5728, 87.4125, 83.0175**, and **18.6111, 27.6350, 20.8762** is the 20% darker color. If you saturate the color by 10%, you get **36.4412, 53.7898, 39.9770**, and if you desaturate by 10%, it is **45.2961, 58.0992, 51.9335**.

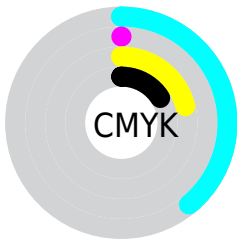
Distribution



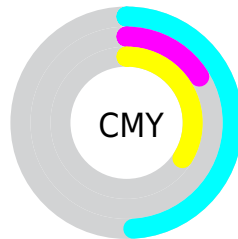
- Red (51%)
- Green (84%)
- Blue (66%)



- Red (51%)
- Yellow (74%)
- Blue (84%)



- Cyan (39%)
- Magenta (0%)
- Yellow (21%)
- Black (16%)



- Cyan (49%)
- Magenta (16%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4745, 55.7456, 45.6725 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 40.4745, 55.7456, 45.6725 by changing the saturation by 10% instead.

■ 40.4745, 55.7456,
45.6725

■ 40.4745, 55.7456,
45.6725

339.2197,
408.7321, 385.7297

■ 28.0946, 39.9990,
31.6407

■ 75.1653, 98.6325,
85.0578

■ 18.5378, 27.5378,
20.8246

■ 98.2068, 126.5416,
111.2483

■ 11.4388, 17.9775,
12.8059

■ 125.5330,
159.2737, 142.3288

■ 6.4322, 10.9338,
7.1659

157.5090,
197.2131, 178.7178

■ 3.1528, 6.0224,
3.4860

194.5004,
240.7442, 220.8338

■ 1.2351, 2.8587,
1.3478

236.8724,

■ 0.1338, 1.0584,

290.2515, 269.0954

0.1005

284.9904,
346.1193, 323.9212

■ 0.0000, 0.0000,
0.0000

■ 40.4745, 55.7456,
45.6725

■ 40.4745, 55.7456,
45.6725

■ 36.4412, 53.7898,
39.9770

■ 45.2961, 58.0992,
51.9335

■ 33.1467, 52.2020,
34.8270

■ 50.9430, 60.8648,
58.7716

■ 30.5423, 50.9589,
30.2069


■ 57.4550, 64.0641,
66.2029


■ 28.5717, 50.0319,
26.0989


■ 64.8681, 67.7154,
74.2415


■ 27.1684, 49.3871,
22.4837


■ 73.2161, 71.8360,
82.9011

 26.2302, 48.9721,
19.3396

 80.8922, 75.5971,
92.1183

 26.1313, 48.9287,
18.9882

 82.7045, 76.3220,
101.6617

 83.3376, 76.5752,
104.9959

Harmonies

Analogous

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



44.5339, 55.7456, 32.7785



40.4745, 55.7456, 45.6725



39.6060, 55.7456, 66.1329

Triad

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



40.4745, 55.7456, 45.6725



54.8499, 55.7456, 113.2600



65.6873, 55.7456, 38.5158

Complementary

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



40.4745, 55.7456, 45.6725



43.7855, 33.7043, 45.7949

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.



69.0802, 55.7456, 55.5684



40.4745, 55.7456, 45.6725



62.4417, 55.7456, 101.1697

Square

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



40.4745, 55.7456, 45.6725



47.4393, 55.7456, 108.7764



67.8383, 55.7456, 78.7017



58.9458, 55.7456, 29.3998

Rectangle

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



40.4745, 55.7456, 45.6725



40.8686, 55.7456, 82.1846



67.8383, 55.7456, 78.7017



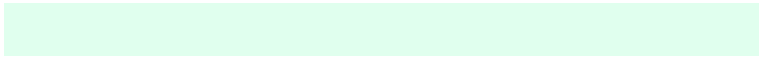
67.2856, 55.7456, 43.3256

Sweetspot

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



40.4760, 55.7479, 45.6738



82.0632, 93.6067, 94.6629



46.5129, 59.2033, 30.4492



17.2878, 19.8995, 19.9472



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.



40.4760, 55.7479, 45.6738



54.9151, 80.3391, 60.5156



44.8511, 57.4979, 68.7129



12.4902, 13.9871, 14.3956



15.8447, 29.5932, 11.7436



0.9970, 1.8014, 0.9259

Inverse Universe

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



43.7855, 33.7043, 45.7949



60.5352, 42.8740, 60.6982



40.3314, 32.3226, 27.6057



12.7084, 12.5349, 14.4049



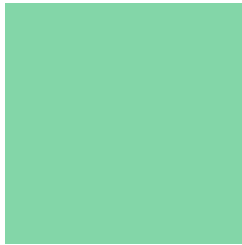
18.8134, 9.4617, 11.5875



1.1761, 0.5872, 0.9169

Previews

White Background



This preview shows how the XYZ color 40.4745, 55.7456, 45.6725 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 40.4745, 55.7456, 45.6725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

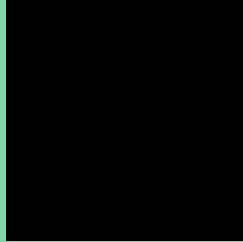
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4745, 55.7456, 45.6725

Background



This preview shows how black text looks on a background with the XYZ color 40.4745, 55.7456, 45.6725.



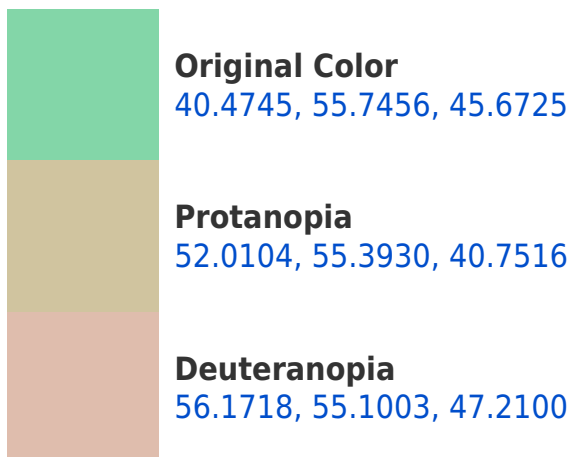
This preview shows how white text looks on a background with the XYZ color 40.4745, 55.7456,

45.6725.

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





Tritanopia

46.9598, 55.7930, 78.1061

Trichromacy



Original Color

40.4745, 55.7456, 45.6725



Protanomaly

46.6999, 55.0238, 42.3417



Deuteranomaly

48.7800, 54.2756, 46.4333



Tritanomaly

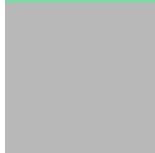
44.4735, 55.8940, 64.9445

Monochromacy



Original Color

40.4745, 55.7456, 45.6725



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

43.0680, 50.2439, 49.5476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4745, 55.7456, 45.6725 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(131, 214, 168)` looks like.

```
.text, #text, p{  
    color:rgb(131, 214, 168)  
}
```

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(131, 214, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 214, 168) }
```

Border

The CSS property to change the border of an element to XYZ 40.4745, 55.7456, 45.6725 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(131, 214, 168) }
```


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

```
.border{ border-color:rgb(131, 214, 168) }
```

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

Here you see how a box with a 4 pixel rgb(131, 214, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 214, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 214, 168);  
box-shadow:4px 4px 4px 4px rgb(131, 214,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4745, 55.7456, 45.6725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 214, 168) }
```

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

```
.background{ background-color: rgb(131,  
214, 168) }
```

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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