

Converting Colors

XYZ(43.2783, 56.6813, 65.6332)

Have a look what the booklet for
XYZ(43.2783, 56.6813, 65.6332)
contains.

XYZ(43.4031, 56.8127, 65.8051)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(43.4031, 56.8127,
65.8051)**

Conversions

Conversions Part 1

Format	Color
Hex	7DD6CC
RGB	125, 214, 204
RGB Percent	49%, 84%, 80%
CMY	0.5098, 0.1608, 0.2000
CMYK	0.42, 0.00, 0.05, 0.16
HSL	173°, 52%, 66%
HSV	173°, 42%, 84%
XYZ	43.4031, 56.8127, 65.8051
YIQ	186.2490, -49.8340, -21.9780

Conversions

Conversions Part 2

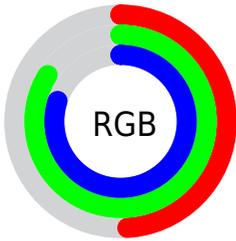
Format	Color
RYB	125, 172, 214
Decimal	8246988
CIELab	80.07, -29.08, -3.45
CIELCh	80, 29.284, 186.765
Yxy	56.8127, 0.2614, 0.3422
Android (android.graphics.Color)	4286437068 (0xFF7DD6CC)
YUV	186.2490, 8.7512, -53.7154
Hunter-Lab	75.3742, -29.1183, 0.9991

Details

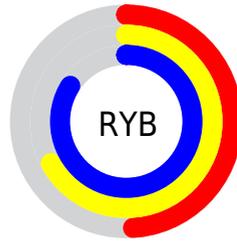
The XYZ color **43.4031, 56.8127, 65.8051** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.4403, 30.7143, 26.7735**, and the grayscale version is **46.7855, 49.2220, 53.6028**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **20.2871, 28.2272, 33.2333** is the 20% darker color. If you saturate the color by 10%, you get **40.3234, 55.2595, 64.1678**, and if you desaturate by 10%, it is **47.1636, 58.7191, 67.5000**.

Distribution



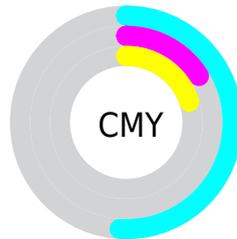
- Red (49%)
- Green (84%)
- Blue (80%)



- Red (49%)
- Yellow (67%)
- Blue (84%)



- Cyan (42%)
- Magenta (0%)
- Yellow (5%)
- Black (16%)



- Cyan (51%)
- Magenta (16%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.4031, 56.8127, 65.8051 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 43.4031, 56.8127, 65.8051 by changing the saturation by 10% instead.

 43.4031, 56.8127,
65.8051

 43.4031, 56.8127,
65.8051

351.1604,
412.7471, 464.0647

 30.3974, 40.8549,
47.6587

 79.5707, 100.1918,
114.8309

 20.2900, 28.2057,
33.1986

 103.4634,
128.3820, 146.5474

 12.7155, 18.4808,
22.0063

 131.7157,
161.4183, 183.6243

 7.3086, 11.2957,
13.6632

164.6931,
199.6852, 226.4803

 3.7039, 6.2661,
7.7507

202.7609,
243.5672, 275.5337

 1.5360, 3.0076,
3.8504

246.2845,

 0.3501, 1.1357,

293.4486, 331.2033

1.5436

295.6292,
349.7137, 393.9074

■ 0.0000, 0.0082,
0.2501

■ 0.0000, 0.0000,
0.0000

■ 43.4031, 56.8127,
65.8051

■ 43.4031, 56.8127,
65.8051

■ 40.3234, 55.2595,
64.1678

■ 47.1636, 58.7191,
67.5000

■ 37.8759, 54.0304,
62.5821

■ 51.6396, 60.9925,
69.2504

■ 36.0134, 53.1023,
61.0467

■ 56.8697, 63.6540,
71.0596

■ 34.6800, 52.4464,
59.5591

■ 62.8878, 66.7214,
72.9293

 33.8088, 52.0283,
58.1160

 69.7261, 70.2110,
74.8610

 33.3366, 51.8106,
56.9318

 77.4149, 74.1385,
76.8563

 78.3169, 74.5668,
78.5578

 78.6394, 74.6958,
80.2562

 78.9666, 74.8266,
81.9788

Harmonies

Analogous

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



44.1415, 56.8127, 49.7982



43.4031, 56.8127, 65.8051



45.3318, 56.8127, 83.6471

Triad

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



43.4031, 56.8127, 65.8051



61.1496, 56.8127, 92.0396



58.6453, 56.8127, 36.3445

Complementary

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



43.4031, 56.8127, 65.8051



39.4403, 30.7143, 26.7735

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.



63.7055, 56.8127, 44.2273



43.4031, 56.8127, 65.8051



65.2240, 56.8127, 75.7258

Square

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



43.4031, 56.8127, 65.8051



55.3595, 56.8127, 100.4931



66.1921, 56.8127, 58.0746



52.6605, 56.8127, 34.6647

Rectangle

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



43.4031, 56.8127, 65.8051



47.9605, 56.8127, 93.5586



66.1921, 56.8127, 58.0746



60.5237, 56.8127, 38.2757

Sweetspot

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



43.4047, 56.8149, 65.8064



84.1258, 94.4318, 105.5244



37.8035, 54.7588, 27.9803



17.7744, 20.0941, 22.5096



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.



43.4047, 56.8149, 65.8064



60.4151, 82.4017, 95.6827



36.8945, 41.8124, 69.7468



12.7293, 14.0827, 15.6548



20.1734, 31.3247, 34.5384



1.2343, 1.8964, 2.1754

Inverse Universe

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



39.4403, 30.7143, 26.7735



53.7638, 38.5161, 30.1246



43.8534, 40.6151, 24.9315



12.4794, 12.4433, 13.1990



16.8812, 8.6888, 1.4125



1.0377, 0.5319, 0.1879

Previews

White Background



This preview shows how the XYZ color 43.4031, 56.8127, 65.8051 looks on a white background.

Color Contrast Check

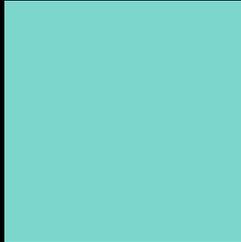
Large Text (above 18pt) WCAG AA × Fail

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 43.4031, 56.8127, 65.8051 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

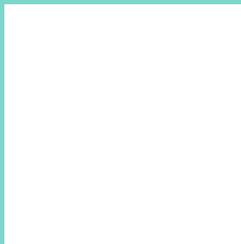
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.4031, 56.8127, 65.8051

Background



This preview shows how black text looks on a background with the XYZ color 43.4031, 56.8127, 65.8051.



This preview shows how white text looks on a background with the XYZ color 43.4031, 56.8127,

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

43.4031, 56.8127, 65.8051

Protanopia

54.0610, 56.3841, 59.0728

Deuteranopia

57.5096, 56.2998, 68.1575



Tritanopia

46.2718, 56.4645, 81.1330

Trichromacy



Original Color

43.4031, 56.8127, 65.8051



Protanomaly

49.0045, 55.7878, 61.6114



Deuteranomaly

50.7392, 55.5168, 67.0731



Tritanomaly

45.1337, 56.3701, 75.5196

Monochromacy



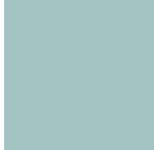
Original Color

43.4031, 56.8127, 65.8051



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.6754, 51.2226, 57.9844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.4031, 56.8127, 65.8051 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(125, 214, 204)` looks like.

```
.text, #text, p{  
    color:rgb(125, 214, 204)  
}
```

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(125, 214, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 214, 204) }
```

Border

The CSS property to change the border of an element to XYZ 43.4031, 56.8127, 65.8051 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(125, 214, 204) }
```

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

```
.border{ border-color:rgb(125, 214, 204) }
```

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

Here you see how a box with a 4 pixel rgb(125, 214, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 214, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 214, 204);  
box-shadow:4px 4px 4px 4px rgb(125, 214,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 43.4031, 56.8127, 65.8051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 214, 204) }
```

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

```
.background{ background-color: rgb(125,  
214, 204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor