

Converting Colors

XYZ(40.6263, 50.8764, 63.2152)

Have a look what the booklet for
XYZ(40.6263, 50.8764, 63.2152)
contains.

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Color

**XYZ(40.4825, 50.6575,
62.9026)**

Conversions

Conversions Part 1

Format	Color
Hex	81C9C9
RGB	129, 201, 201
RGB Percent	51%, 79%, 79%
CMY	0.4941, 0.2117, 0.2118
CMYK	0.36, 0.00, 0.00, 0.21
HSL	180°, 40%, 65%
HSV	180°, 36%, 79%
XYZ	40.4825, 50.6575, 62.9026
YIQ	179.4720, -42.9120, -15.2640

Conversions

Conversions Part 2

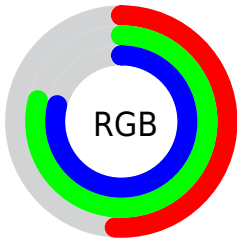
Format	Color
R _Y B	129, 165, 201
Decimal	8505801
CIE Lab	76.47, -22.39, -7.14
CIE LCh	76, 23.498, 197.685
Yxy	50.6575, 0.2628, 0.3289
Android (android.graphics.Color)	4286695881 (0xFF81C9C9)
YUV	179.4720, 10.6133, -44.2639
Hunter-Lab	71.1741, -23.0271, -2.5778

Details

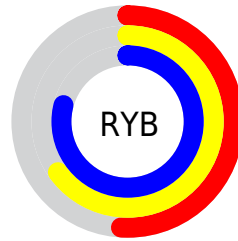
The XYZ color **40.4825, 50.6575, 62.9026** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.9018, 29.7044, 24.6119**, and the grayscale version is **43.0623, 45.3049, 49.3370**.

A 20% lighter version of the original color is **73.8176, 89.0543, 107.9063**, and **18.6018, 24.4699, 31.3465** is the 20% darker color. If you saturate the color by 10%, you get **37.7249, 49.2372, 62.7743**, and if you desaturate by 10%, it is **43.8436, 52.3915, 63.0614**.

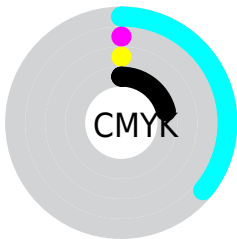
Distribution



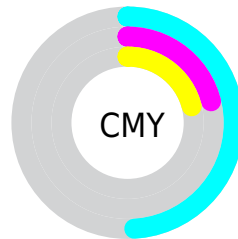
- Red (51%)
- Green (79%)
- Blue (79%)



- Red (51%)
- Yellow (65%)
- Blue (79%)



- Cyan (36%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)



- Cyan (49%)
- Magenta (21%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4825, 50.6575, 62.9026 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 40.4825, 50.6575, 62.9026 by changing the saturation by 10% instead.

■ 40.4825, 50.6575,
62.9026

■ 40.4825, 50.6575,
62.9026

339.2527,
389.2316, 453.3141

■ 28.1008, 35.9361,
45.3219

■ 75.1774, 91.1483,
110.6132

■ 18.5425, 24.3849,
31.3663

■ 98.2213, 117.6865,
141.5802

■ 11.4422, 15.6194,
20.6171

■ 125.5500,
148.9324, 177.8464

■ 6.4346, 9.2552,
12.6559

157.5288,
185.2704, 219.8303

■ 3.1542, 4.9080,
7.0641

194.5231,
227.0850, 267.9505

■ 1.2358, 2.1934,
3.4232

236.8983,

■ 0.1344, 0.7164,

274.7604, 322.6255

1.3146

285.0197,
328.6812, 384.2739

■ 0.0000, 0.0000,
0.0737

■ 0.0000, 0.0000,
0.0000

■ 40.4825, 50.6575,
62.9026

■ 40.4825, 50.6575,
62.9026

■ 37.7249, 49.2372,
62.7743

■ 43.8436, 52.3915,
63.0614

■ 35.5310, 48.1062,
62.6712

■ 47.8364, 54.4498,
63.2486

■ 33.8632, 47.2464,
62.5927

■ 52.4923, 56.8500,
63.4669

■ 32.6775, 46.6351,
62.5368

■ 57.8397, 59.6066,
63.7176

■ 31.9226, 46.2460,
62.5011

■ 63.9051, 62.7335,
64.0018

■ 31.5350, 46.0462,
62.4826

■ 70.7137, 66.2434,
64.3209

■ 31.4298, 45.9920,
62.4775

■ 72.6708, 67.2524,
64.4129

■ 72.6709, 67.2524,
64.4133

■ 72.6710, 67.2524,
64.4137

Harmonies

Analogous

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



40.2988, 50.6575, 50.1176



40.4825, 50.6575, 62.9026



42.6402, 50.6575, 75.2278

Triad

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



40.4825, 50.6575, 62.9026



54.7237, 50.6575, 73.2584



49.9876, 50.6575, 34.5969

Complementary

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



40.4825, 50.6575, 62.9026



35.9018, 29.7044, 24.6119

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.



54.1117, 50.6575, 39.0177



40.4825, 50.6575, 62.9026



56.9564, 50.6575, 60.5243

Square

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



40.4825, 50.6575, 62.9026



50.7819, 50.6575, 81.8081



56.7257, 50.6575, 48.0756



45.6076, 50.6575, 35.0321

Rectangle

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



40.4825, 50.6575, 62.9026



44.9869, 50.6575, 80.9347



56.7257, 50.6575, 48.0756



51.4547, 50.6575, 35.5324

Sweetspot

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



40.4840, 50.6595, 62.9038



85.4726, 95.0627, 108.4510



34.0872, 48.1220, 28.2617



18.0636, 20.2282, 23.2021



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.



40.4840, 50.6595, 62.9038



65.5483, 84.7914, 107.5164



33.2699, 36.2310, 60.5004



10.9467, 12.0676, 13.6697



19.7611, 28.9168, 39.2819



0.9357, 1.3692, 1.8600

Inverse Universe

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



35.9018, 29.7044, 24.6119



56.5571, 43.6732, 32.3801



41.2913, 40.4836, 26.4077



10.6339, 10.6370, 11.0555



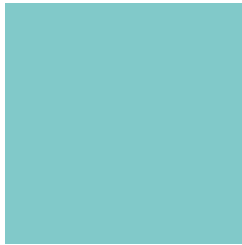
15.1453, 7.8077, 0.7089



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 40.4825, 50.6575, 62.9026 looks on a white background.

Color Contrast Check

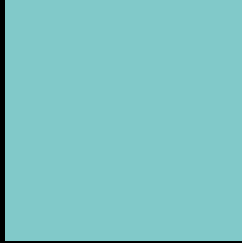
Large Text (above 18pt) WCAG AA × Fail

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 40.4825, 50.6575, 62.9026 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 40.4825, 50.6575, 62.9026

Background



This preview shows how black text looks on a background with the XYZ color 40.4825, 50.6575, 62.9026.

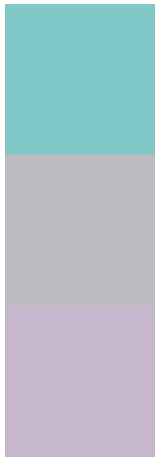


This preview shows how white text looks on a background with the XYZ color 40.4825, 50.6575,

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

40.4825, 50.6575, 62.9026

Protanopia

48.5200, 50.2936, 57.0195

Deuteranopia

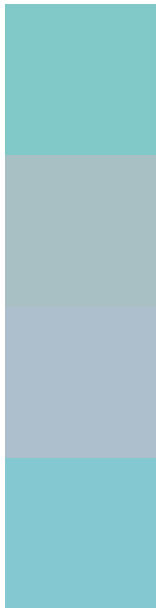
51.2416, 50.2805, 64.7620



Tritanopia

42.3620, 50.7397, 71.8510

Trichromacy



Original Color

40.4825, 50.6575, 62.9026

Protanomaly

44.8484, 49.9642, 58.9101

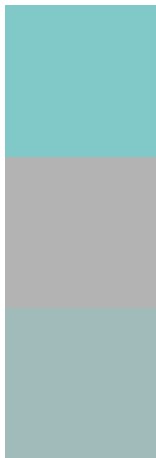
Deuteranomaly

46.5461, 50.0708, 64.3381

Tritanomaly

41.8029, 50.8672, 68.5879

Monochromacy



Original Color

40.4825, 50.6575, 62.9026

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.4379, 46.7056, 53.8448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4825, 50.6575, 62.9026 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(129, 201, 201)` looks like.

```
.text, #text, p{  
    color:rgb(129, 201, 201)  
}
```

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(129, 201, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 201, 201) }
```

Border

The CSS property to change the border of an element to XYZ 40.4825, 50.6575, 62.9026 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(129, 201, 201) }
```


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

```
.border{ border-color:rgb(129, 201, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 201, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 201, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 201, 201);  
box-shadow:4px 4px 4px 4px rgb(129, 201,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4825, 50.6575, 62.9026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 201, 201) }
```

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

```
.background{ background-color: rgb(129,  
201, 201) }
```

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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