

Converting Colors

XYZ(50.6568, 63.5611, 67.2599)

Have a look what the booklet for
XYZ(50.6568, 63.5611, 67.2599)
contains.

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Color

**XYZ(50.6583, 63.6189,
67.3673)**

Conversions

Conversions Part 1

Format	Color
Hex	9BDECD
RGB	155, 222, 205
RGB Percent	61%, 87%, 80%
CMY	0.3921, 0.1294, 0.1961
CMYK	0.30, 0.00, 0.08, 0.13
HSL	165°, 50%, 74%
HSV	165°, 30%, 87%
XYZ	50.6583, 63.6189, 67.3673
YIQ	200.0290, -34.4750, -19.4910

Conversions

Conversions Part 2

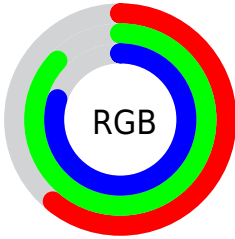
Format	Color
RYB	155, 193, 222
Decimal	10215117
CIELab	83.77, -24.64, 1.59
CIElCh	84, 24.690, 176.308
Yxy	63.6189, 0.2789, 0.3502
Android (android.graphics.Color)	4288405197 (0xFF9BDECD)
YUV	200.0290, 2.4507, -39.4904
Hunter-Lab	79.7615, -26.2132, 5.7561

Details

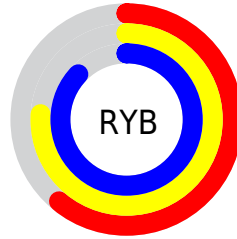
The XYZ color **50.6583, 63.6189, 67.3673** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.2942, 41.9526, 44.5319**, and the grayscale version is **54.9196, 57.7797, 62.9221**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **24.7715, 32.6385, 34.2724** is the 20% darker color. If you saturate the color by 10%, you get **46.1156, 61.3559, 63.6694**, and if you desaturate by 10%, it is **56.0123, 66.3007, 71.2337**.

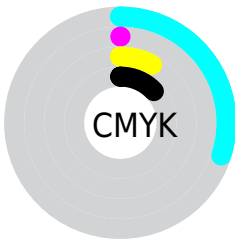
Distribution



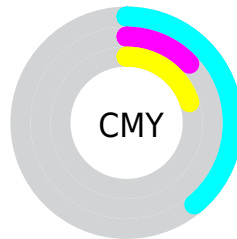
- Red (61%)
- Green (87%)
- Blue (80%)



- Red (61%)
- Yellow (76%)
- Blue (87%)



- Cyan (30%)
- Magenta (0%)
- Yellow (8%)
- Black (13%)



- Cyan (39%)
- Magenta (13%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6583, 63.6189, 67.3673 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 50.6583, 63.6189, 67.3673 by changing the saturation by 10% instead.


 50.6583, 63.6189,
67.3673


 50.6583, 63.6189,
67.3673

379.6443,
437.8121, 469.7881

 36.1567, 46.3421,
48.9197


 90.3355, 110.0619,
117.0922

 24.7259, 32.5158,
34.1906


 116.2418,
139.9969, 149.2066

 16.0006, 21.7558,
22.7615


146.6803,
174.9200, 186.7137

 9.6154, 13.6776,
14.2139

182.0164,
215.2157, 230.0319

 5.2050, 7.8968,
8.1291

222.6156,
261.2684, 279.5800

 2.4040, 4.0290,
4.0887

268.8430,

 0.8471, 1.6898,

313.4624, 335.7763

1.6741

321.0641,
372.1822, 399.0395

■ 0.0000, 0.4170,
0.3429

■ 0.0000, 0.0000,
0.0000

■ 50.6583, 63.6189,
67.3673

■ 50.6583, 63.6189,
67.3673

■ 46.1156, 61.3559,
63.6694

■ 56.0123, 66.3007,
71.2337

■ 42.3357, 59.4817,
60.1324

■ 62.2123, 69.4140,
75.2675

■ 39.2730, 57.9743,
56.7541

■ 69.2972, 72.9806,
79.4732

■ 36.8746, 56.8068,
53.5307

■ 77.3020, 77.0186,
83.8536

■ 35.0803, 55.9480,
50.4580

■ 82.0947, 79.3977,
88.2166

■ 33.8186, 55.3610,
47.5312

■ 82.9134, 79.7252,
92.5279

■ 32.9749, 54.9858,
44.7921

■ 83.7580, 80.0631,
96.9757

■ 84.6289, 80.4114,
101.5614

■ 85.4124, 80.7248,
105.6875

Harmonies

Analogous

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



52.2093, 63.6189, 54.0061



50.6583, 63.6189, 67.3673



51.6036, 63.6189, 83.3492

Triad

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



50.6583, 63.6189, 67.3673



65.2024, 63.6189, 99.5973



66.4314, 63.6189, 47.2977

Complementary

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



50.6583, 63.6189, 67.3673



49.2942, 41.9526, 44.5319

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.



70.2931, 63.6189, 56.8732



50.6583, 63.6189, 67.3673



69.5543, 63.6189, 87.1693

Square

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



50.6583, 63.6189, 67.3673



59.7997, 63.6189, 103.5043



71.4684, 63.6189, 71.2085



61.1409, 63.6189, 43.5636

Rectangle

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



50.6583, 63.6189, 67.3673



53.5548, 63.6189, 93.1543



71.4684, 63.6189, 71.2085



67.9516, 63.6189, 49.8631

Sweetspot

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



50.6601, 63.6215, 67.3687



86.1813, 95.5347, 103.6644



49.2438, 63.4808, 40.6691



18.1598, 20.3043, 22.0112



0.0000, 0.0000, 0.0000



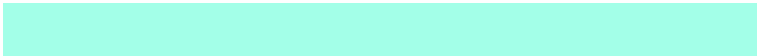
20.3446, 21.4041, 23.3091

Same Dimension

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



50.6601, 63.6215, 67.3687



65.4288, 85.1371, 89.1086



48.8641, 56.5642, 77.4528



13.9602, 15.5098, 16.8257



19.6326, 32.6779, 26.8523



1.3963, 2.2792, 2.0479

Inverse Universe

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



49.2942, 41.9526, 44.5319



63.2884, 51.0918, 53.2571



50.5364, 46.8855, 37.3977



13.8492, 13.7573, 14.9762



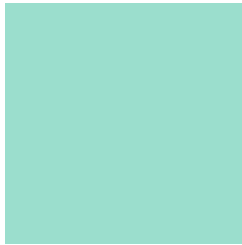
18.3601, 9.4111, 3.2962



1.3084, 0.6666, 0.4171

Previews

White Background



This preview shows how the XYZ color 50.6583, 63.6189, 67.3673 looks on a white background.

Color Contrast Check

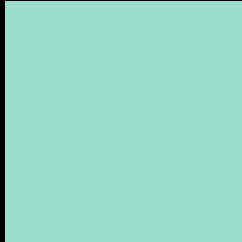
Large Text (above 18pt) WCAG AA × Fail

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 50.6583, 63.6189, 67.3673 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

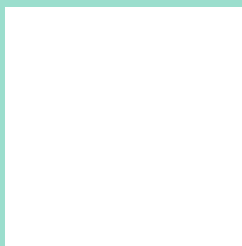
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.6583, 63.6189, 67.3673

Background



This preview shows how black text looks on a background with the XYZ color 50.6583, 63.6189, 67.3673.



This preview shows how white text looks on a background with the XYZ color 50.6583, 63.6189,

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

50.6583, 63.6189, 67.3673

Protanopia

60.1224, 62.9530, 61.8057

Deuteranopia

64.0738, 62.7076, 69.0483



Tritanopia

54.9671, 63.8223, 88.0191

Trichromacy



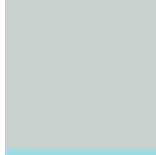
Original Color

50.6583, 63.6189, 67.3673



Protanomaly

55.9611, 62.5946, 63.7761



Deuteranomaly

58.2730, 62.5725, 68.6809



Tritanomaly

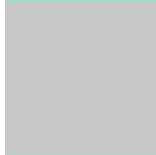
53.0841, 63.4158, 79.9636

Monochromacy



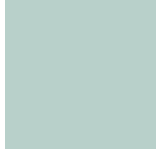
Original Color

50.6583, 63.6189, 67.3673



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.9837, 59.5664, 64.5820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6583, 63.6189, 67.3673 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(155, 222, 205)` looks like.

```
.text, #text, p{  
    color:rgb(155, 222, 205)  
}
```

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(155, 222, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 222, 205) }
```

Border

The CSS property to change the border of an element to XYZ 50.6583, 63.6189, 67.3673 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(155, 222, 205) }
```


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

```
.border{ border-color:rgb(155, 222, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 222, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 222, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 222, 205);  
box-shadow:4px 4px 4px 4px rgb(155, 222,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6583, 63.6189, 67.3673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 222, 205) }
```

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

```
.background{ background-color: rgb(155,  
222, 205) }
```

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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