

Converting Colors

XYZ(50.7805, 63.9635, 61.1963)

Have a look what the booklet for
XYZ(50.7805, 63.9635, 61.1963)
contains.

XYZ(50.6695, 63.7597, 61.2661)	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(50.6695, 63.7597,
61.2661)**

Conversions

Conversions Part 1

Format	Color
Hex	A1DEC3
RGB	161, 222, 195
RGB Percent	63%, 87%, 76%
CMY	0.3686, 0.1294, 0.2353
CMYK	0.27, 0.00, 0.12, 0.13
HSL	153°, 48%, 75%
HSV	153°, 27%, 87%
XYZ	50.6695, 63.7597, 61.2661
YIQ	200.6830, -27.6890, -21.3290

Conversions

Conversions Part 2

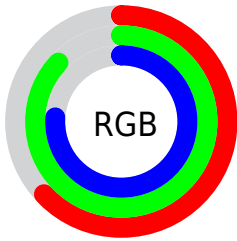
Format	Color
RYB	161, 200, 222
Decimal	10608323
CIELab	83.84, -24.93, 7.02
CIElCh	84, 25.897, 164.260
Yxy	63.7597, 0.2884, 0.3629
Android (android.graphics.Color)	4288798403 (0xFFA1DEC3)
YUV	200.6830, -2.8017, -34.8020
Hunter-Lab	79.8497, -26.4678, 10.4034

Details

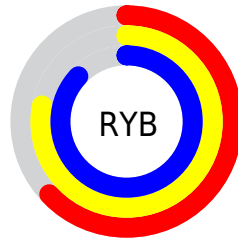
The XYZ color **50.6695, 63.7597, 61.2661** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.9483, 44.6517, 53.4601**, and the grayscale version is **55.3515, 58.2341, 63.4170**.

A 20% lighter version of the original color is **81.9460, 93.3000, 105.7851**, and **24.8108, 32.7487, 30.2128** is the 20% darker color. If you saturate the color by 10%, you get **45.5122, 61.2269, 55.4150**, and if you desaturate by 10%, it is **56.6978, 66.7365, 67.5424**.

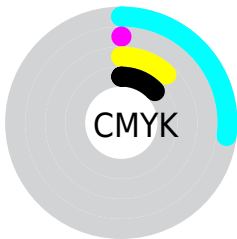
Distribution



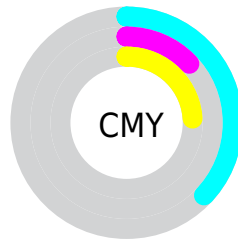
- Red (63%)
- Green (87%)
- Blue (76%)



- Red (63%)
- Yellow (78%)
- Blue (87%)



- Cyan (27%)
- Magenta (0%)
- Yellow (12%)
- Black (13%)





- Cyan (37%)
- Magenta (13%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6695, 63.7597, 61.2661 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 50.6695, 63.7597, 61.2661 by changing the saturation by 10% instead.


 50.6695, 63.7597,
61.2661


 50.6695, 63.7597,
61.2661


379.6872,
438.3214, 447.1825

 36.1656, 46.4561,
44.0080


 90.3520, 110.2648,
108.2254

 24.7328, 32.6059,
30.3396

 116.2612,
140.2350, 138.7637

 16.0058, 21.8247,
19.8422

146.7030,
175.1963, 174.5658

 9.6191, 13.7281,
12.0975

182.0427,
215.5329, 216.0503

 5.2075, 7.9318,
6.6868

222.6456,
261.6294, 263.6357

 2.4055, 4.0514,
3.1915

268.8771,

 0.8479, 1.7023,

313.8700, 317.7405

1.1932

321.1025,
372.6392, 378.7832

0.0000, 0.4252,
0.0000

0.0000, 0.0000,
0.0000

50.6695, 63.7597,
61.2661

50.6695, 63.7597,
61.2661

45.5122, 61.2269,
55.4150

56.6978, 66.7365,
67.5424

41.1771, 59.1080,
49.9756

63.6320, 70.1700,
74.2486

37.6188, 57.3814,
44.9394

71.5117, 74.0821,
81.3949

34.7847, 56.0202,
40.2965

80.3722, 78.4909,
88.9895

■ 32.6158, 54.9942,
36.0359

■ 83.7123, 80.0448,
96.7347

■ 31.0426, 54.2676,
32.1461

■ 85.2460, 80.6583,
104.8109

■ 29.9722, 53.7929,
28.6143

■ 85.4124, 80.7249,
105.6875

■ 29.7438, 53.6934,
27.7772

Harmonies

Analogous

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



53.2822, 63.7597, 49.3145



50.6695, 63.7597, 61.2661



50.6047, 63.7597, 77.4313

Triad

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



50.6695, 63.7597, 61.2661



63.3368, 63.7597, 104.4339



68.7796, 63.7597, 49.7713

Complementary

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



50.6695, 63.7597, 61.2661



51.9483, 44.6517, 53.4601

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.



71.8356, 63.7597, 61.9877



50.6695, 63.7597, 61.2661



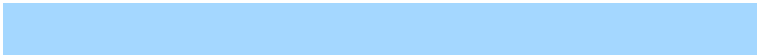
68.5625, 63.7597, 94.3679

Square

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



50.6695, 63.7597, 61.2661



57.6821, 63.7597, 104.1593



71.7537, 63.7597, 78.2746



63.6182, 63.7597, 43.4216

Rectangle

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



50.6695, 63.7597, 61.2661



52.0017, 63.7597, 88.5986



71.7537, 63.7597, 78.2746



70.1011, 63.7597, 53.2362

Sweetspot

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



50.6713, 63.7623, 61.2675



86.5190, 95.7661, 101.0893



53.4064, 65.5671, 43.5599



18.1955, 20.3377, 21.3323



0.0000, 0.0000, 0.0000



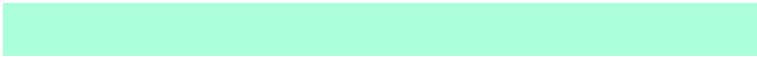
20.3446, 21.4041, 23.3091

Same Dimension

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



50.6713, 63.7623, 61.2675



65.1443, 85.2100, 79.1729



53.2033, 63.4906, 78.5611



13.8470, 15.4645, 16.2296



17.7233, 31.9142, 16.7977



1.2733, 2.2300, 1.4005

Inverse Universe

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



51.9483, 44.6517, 53.4601



67.1719, 54.8881, 66.7923



49.8435, 44.6731, 39.7148



13.9580, 13.8009, 15.5492



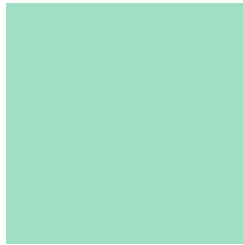
19.2642, 9.7727, 8.0568



1.3798, 0.6952, 0.7928

Previews

White Background



This preview shows how the XYZ color 50.6695, 63.7597, 61.2661 looks on a white background.

Color Contrast Check

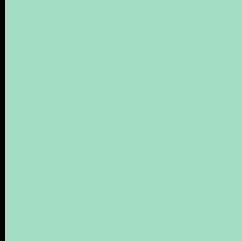
Large Text (above 18pt) WCAG AA × Fail

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 50.6695, 63.7597, 61.2661 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

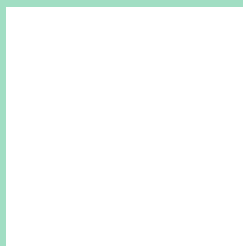
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.6695, 63.7597, 61.2661

Background



This preview shows how black text looks on a background with the XYZ color 50.6695, 63.7597, 61.2661.



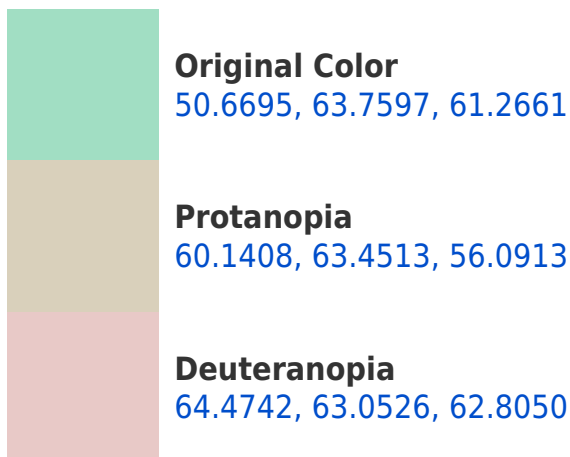
This preview shows how white text looks on a background with the XYZ color 50.6695, 63.7597,

61.2661.

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

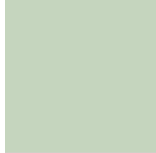
55.7693, 63.4873, 87.1568

Trichromacy



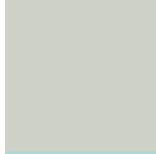
Original Color

50.6695, 63.7597, 61.2661



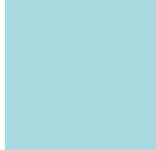
Protanomaly

56.1145, 63.1765, 57.9519



Deuteranomaly

58.4471, 62.8000, 62.4672



Tritanomaly

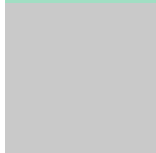
53.7156, 63.4171, 77.1198

Monochromacy



Original Color

50.6695, 63.7597, 61.2661



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

53.3590, 60.1636, 62.8332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6695, 63.7597, 61.2661 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(161, 222, 195)` looks like.

```
.text, #text, p{  
    color:rgb(161, 222, 195)  
}
```

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(161, 222, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 222, 195) }
```

Border

The CSS property to change the border of an element to XYZ 50.6695, 63.7597, 61.2661 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(161, 222, 195) }
```


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

```
.border{ border-color:rgb(161, 222, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 222, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 222, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 222, 195);  
box-shadow:4px 4px 4px 4px rgb(161, 222,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6695, 63.7597, 61.2661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 222, 195) }
```

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

```
.background{ background-color: rgb(161,  
222, 195) }
```

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