

Converting Colors

XYZ(46.3176, 53.8154, 63.4825)

Have a look what the booklet for
XYZ(46.3176, 53.8154, 63.4825)
contains.

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Color

**XYZ(46.1272, 53.5674,
63.1667)**

Conversions

Conversions Part 1

Format	Color
Hex	A1C9C9
RGB	161, 201, 201
RGB Percent	63%, 79%, 79%
CMY	0.3686, 0.2117, 0.2118
CMYK	0.20, 0.00, 0.00, 0.21
HSL	180°, 27%, 71%
HSV	180°, 20%, 79%
XYZ	46.1272, 53.5674, 63.1667
YIQ	189.0400, -23.8400, -8.4800

Conversions

Conversions Part 2

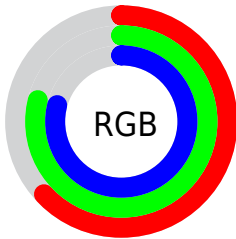
Format	Color
RYB	161, 181, 201
Decimal	10602953
CIELab	78.21, -13.15, -4.37
CIELCh	78, 13.856, 198.405
Yxy	53.5674, 0.2832, 0.3289
Android (android.graphics.Color)	4288793033 (0xFFA1C9C9)
YUV	189.0400, 5.8963, -24.5911
Hunter-Lab	73.1898, -15.5840, 0.0624

Details

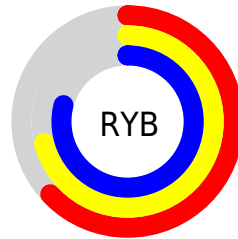
The XYZ color **46.1272, 53.5674, 63.1667** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.2672, 40.4820, 39.2538**, and the grayscale version is **48.3710, 50.8901, 55.4193**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **21.8845, 26.1622, 31.5001** is the 20% darker color. If you saturate the color by 10%, you get **42.3980, 51.6464, 62.9925**, and if you desaturate by 10%, it is **50.5107, 55.8285, 63.3738**.

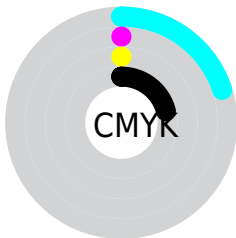
Distribution



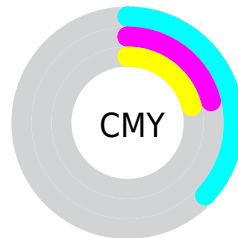
- Red (63%)
- Green (79%)
- Blue (79%)



- Red (63%)
- Yellow (71%)
- Blue (79%)



- Cyan (20%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)



- Cyan (37%)
- Magenta (21%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1272, 53.5674, 63.1667 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 46.1272, 53.5674, 63.1667 by changing the saturation by 10% instead.

■ 46.1272, 53.5674,
63.1667

■ 46.1272, 53.5674,
63.1667

362.0272,
400.4582, 454.2988

■ 32.5513, 38.2559,
45.5342

■ 83.6360, 95.4388,
110.9979

■ 21.9405, 26.1814,
31.5324

■ 108.2996,
122.7674, 142.0336

■ 13.9295, 16.9594,
20.7427

137.3898,
154.8706, 178.3742

■ 8.1530, 10.2055,
12.7467

171.2720,
192.1328, 220.4382

■ 4.2457, 5.5354,
7.1257

210.3114,
234.9382, 268.6441

■ 1.8420, 2.5647,
3.4612

254.8735,

■ 0.5428, 0.9090,

283.6713, 323.4105

1.3347

305.3237,
338.7165, 385.1559

■ 0.0000, 0.0000,
0.0900

■ 0.0000, 0.0000,
0.0000

■ 46.1272, 53.5674,
63.1667

■ 46.1272, 53.5674,
63.1667

■ 42.3980, 51.6464,
62.9925

■ 50.5107, 55.8285,
63.3738

■ 39.2874, 50.0428,
62.8461

■ 55.5727, 58.4381,
63.6116

■ 36.7633, 48.7416,
62.7271

■ 61.3421, 61.4123,
63.8824

■ 34.7889, 47.7238,
62.6339

■ 67.8446, 64.7645,
64.1875

■ 33.3234, 46.9683,
62.5645

■ 72.6712, 67.2526,
64.4143

■ 32.3201, 46.4511,
62.5167

■ 72.6713, 67.2527,
64.4151

■ 31.7239, 46.1437,
62.4879

■ 72.6715, 67.2528,
64.4159

■ 31.4316, 45.9931,
62.4734

■ 72.6717, 67.2528,
64.4168

■ 31.4291, 45.9918,
62.4733

■ 72.6718, 67.2529,
64.4176

Harmonies

Analogous

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



45.9773, 53.5674, 55.3767



46.1272, 53.5674, 63.1667



47.5319, 53.5674, 70.2162

Triad

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



46.1272, 53.5674, 63.1667



54.9123, 53.5674, 68.8069



51.9690, 53.5674, 44.8915

Complementary

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



46.1272, 53.5674, 63.1667



43.2672, 40.4820, 39.2538

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.



54.4532, 53.5674, 47.8598



46.1272, 53.5674, 63.1667



56.1924, 53.5674, 61.3777

Square

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



46.1272, 53.5674, 63.1667



52.5776, 53.5674, 73.6664



56.0215, 53.5674, 53.7388



49.2863, 53.5674, 45.2780

Rectangle

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



46.1272, 53.5674, 63.1667



49.0199, 53.5674, 73.3348



56.0215, 53.5674, 53.7388



52.8566, 53.5674, 45.5185

Sweetspot

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



46.1288, 53.5696, 63.1679



89.6432, 97.2127, 108.6461



42.1539, 51.9952, 41.5336



19.0671, 20.7455, 23.2491



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.



46.1288, 53.5696, 63.1679



76.0062, 90.1826, 108.0053



41.9019, 45.1153, 61.7605



10.9467, 12.0676, 13.6696



19.7605, 28.9166, 39.2791



0.9357, 1.3692, 1.8599

Inverse Universe

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



43.2672, 40.4820, 39.2538



70.2029, 63.6409, 59.5075



46.9110, 47.7699, 40.4673



10.6339, 10.6370, 11.0556



15.1453, 7.8077, 0.7091



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 46.1272, 53.5674, 63.1667 looks on a white background.

Color Contrast Check

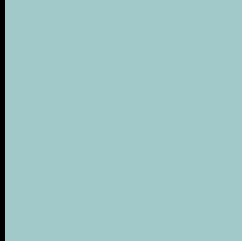
Large Text (above 18pt) WCAG AA × Fail

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 46.1272, 53.5674, 63.1667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

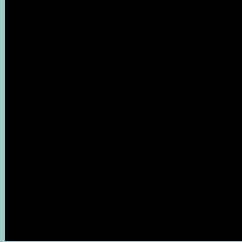
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1272, 53.5674, 63.1667

Background



This preview shows how black text looks on a background with the XYZ color 46.1272, 53.5674, 63.1667.

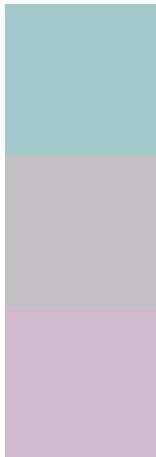


This preview shows how white text looks on a background with the XYZ color 46.1272, 53.5674,

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

46.1272, 53.5674, 63.1667

Protanopia

51.3191, 53.2869, 59.8051

Deuteranopia

54.4015, 53.1657, 64.5215



Tritanopia

47.9990, 53.6457, 72.1148

Trichromacy



Original Color

46.1272, 53.5674, 63.1667

Protanomaly

49.2366, 53.1747, 61.0948

Deuteranomaly

50.8643, 52.9582, 64.0410

Tritanomaly

47.3914, 53.7482, 68.8494

Monochromacy



Original Color

46.1272, 53.5674, 63.1667

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.2860, 51.5739, 57.9146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1272, 53.5674, 63.1667 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, 201, 201)` looks like.

```
.text, #text, p{  
    color:rgb(161, 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(161, 201, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 201, 201) }
```

Border

The CSS property to change the border of an element to XYZ 46.1272, 53.5674, 63.1667 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, 201, 201) }
```


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

```
.border{ border-color:rgb(161, 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(161, 201, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 201, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 201, 201);  
box-shadow:4px 4px 4px 4px rgb(161, 201,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1272, 53.5674, 63.1667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 201, 201) }
```

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

```
.background{ background-color: rgb(161,  
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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