

Converting Colors

XYZ(46.6802, 55.1308, 68.4650)

Have a look what the booklet for
XYZ(46.6802, 55.1308, 68.4650)
contains.

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Color

**XYZ(46.6664, 55.1361,
68.5044)**

Conversions

Conversions Part 1

Format	Color
Hex	9ACDD1
RGB	154, 205, 209
RGB Percent	60%, 80%, 82%
CMY	0.3961, 0.1961, 0.1804
CMYK	0.26, 0.02, 0.00, 0.18
HSL	184°, 37%, 71%
HSV	184°, 26%, 82%
XYZ	46.6664, 55.1361, 68.5044
YIQ	190.2070, -31.6800, -9.5680

Conversions

Conversions Part 2

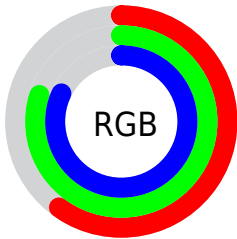
Format	Color
RYB	154, 180, 209
Decimal	10145233
CIELab	79.12, -15.55, -7.38
CIELCh	79, 17.209, 205.381
Yxy	55.1361, 0.2740, 0.3237
Android (android.graphics.Color)	4288335313 (0xFF9ACDD1)
YUV	190.2070, 9.2649, -31.7535
Hunter-Lab	74.2537, -17.7616, -2.7217

Details

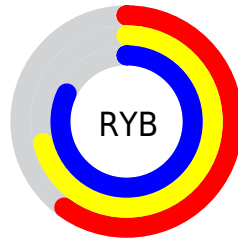
The XYZ color **46.6664, 55.1361, 68.5044** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.3548, 40.3426, 36.0222**, and the grayscale version is **49.0255, 51.5786, 56.1691**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **22.3498, 27.2665, 35.0953** is the 20% darker color. If you saturate the color by 10%, you get **42.6685, 52.5396, 68.2149**, and if you desaturate by 10%, it is **51.3637, 58.1011, 68.8300**.

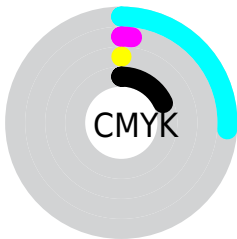
Distribution



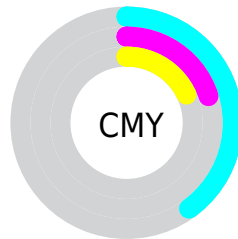
- Red (60%)
- Green (80%)
- Blue (82%)



- Red (60%)
- Yellow (71%)
- Blue (82%)



- Cyan (26%)
- Magenta (2%)
- Yellow (0%)
- Black (18%)



- Cyan (40%)
- Magenta (20%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6664, 55.1361, 68.5044 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 46.6664, 55.1361, 68.5044 by changing the saturation by 10% instead.

■ 46.6664, 55.1361,
68.5044

■ 46.6664, 55.1361,
68.5044

364.1525,
406.4276, 473.9276

■ 32.9788, 39.5107,
49.8389

■ 84.4372, 97.7403,
118.7345

■ 22.2694, 27.1572,
34.9152

■ 109.2512,
125.4880, 151.1362

■ 14.1727, 17.6914,
23.3145

138.5047,
158.0451, 188.9537

■ 8.3234, 10.7286,
14.6184

172.5631,
195.7962, 232.6056

■ 4.3561, 5.8847,
8.4084

211.7917,
239.1256, 282.5103

■ 1.9055, 2.7751,
4.2659

256.5559,

■ 0.5800, 1.0155,

288.4177, 339.0866

1.7723

307.2211,
344.0569, 402.7528

■ 0.0000, 0.0000,
0.4096

■ 0.0000, 0.0000,
0.0000

■ 46.6664, 55.1361,
68.5044

■ 46.6664, 55.1361,
68.5044

■ 42.6685, 52.5396,
68.2149

■ 51.3637, 58.1011,
68.8300

■ 39.3292, 50.2865,
67.9560

■ 56.7887, 61.4452,
69.1896

■ 36.6109, 48.3587,
67.7271

■ 62.9744, 65.1867,
69.5857

■ 34.4704, 46.7340,
67.5264

■ 69.9499, 69.3406,
70.0199

■ 32.8589, 45.3872,
67.3513

■ 76.4425, 73.2508,
70.4324

■ 31.7192, 44.2888,
67.1994

■ 76.8254, 74.0168,
70.5601

■ 30.9794, 43.4017,
67.0671

■ 77.2120, 74.7899,
70.6889

■ 30.7584, 43.1026,
67.0211

■ 77.6021, 75.5702,
70.8190

■ 77.9959, 76.3577,
70.9502

Harmonies

Analogous

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



46.0990, 55.1361, 58.5247



46.6664, 55.1361, 68.5044



48.7449, 55.1361, 76.9685

Triad

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



46.6664, 55.1361, 68.5044



58.0256, 55.1361, 71.4235



52.9384, 55.1361, 43.0978

Complementary

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



46.6664, 55.1361, 68.5044



44.3548, 40.3426, 36.0222

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.



56.2443, 55.1361, 45.7854



46.6664, 55.1361, 68.5044



59.2618, 55.1361, 61.5687

Square

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



46.6664, 55.1361, 68.5044



55.2849, 55.1361, 78.7787



58.5962, 55.1361, 52.2920



49.6273, 55.1361, 44.5266

Rectangle

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



46.6664, 55.1361, 68.5044



50.7573, 55.1361, 80.2407



58.5962, 55.1361, 52.2920



54.0885, 55.1361, 43.5407

Sweetspot

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



46.6680, 55.1383, 68.5057



87.4678, 95.3917, 108.4101



42.2709, 54.9292, 40.5732



18.4352, 20.2420, 23.1854



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.



46.6680, 55.1383, 68.5057



69.2691, 83.9439, 107.1597



40.7235, 43.2492, 66.5241



12.0818, 13.2538, 15.1651



18.9956, 26.6378, 41.3329



1.0846, 1.5344, 2.3186

Inverse Universe

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



48.8709, 41.0756, 63.1127



73.3700, 58.1446, 97.0349



49.5122, 50.6573, 37.7413



12.2722, 11.9936, 14.7090



22.2188, 10.7604, 32.3882



1.2537, 0.6062, 1.8707

Previews

White Background



This preview shows how the XYZ color 46.6664, 55.1361, 68.5044 looks on a white background.

Color Contrast Check

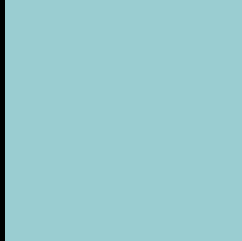
Large Text (above 18pt) WCAG AA × Fail

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 46.6664, 55.1361, 68.5044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

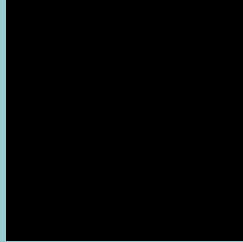
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6664, 55.1361, 68.5044

Background



This preview shows how black text looks on a background with the XYZ color 46.6664, 55.1361, 68.5044.



This preview shows how white text looks on a background with the XYZ color 46.6664, 55.1361,

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

46.6664, 55.1361, 68.5044

Protanopia

53.0972, 54.7657, 64.2722

Deuteranopia

56.0292, 54.8458, 69.9206



Tritanopia

47.9845, 54.9471, 75.7869

Trichromacy



Original Color

46.6664, 55.1361, 68.5044

Protanomaly

50.2696, 54.6197, 65.6508

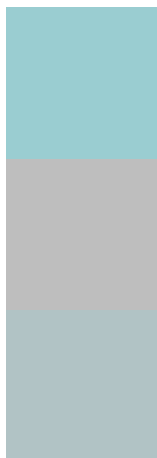
Deuteranomaly

52.0120, 54.4247, 69.3917

Tritanomaly

47.5051, 55.1122, 73.0997

Monochromacy



Original Color

46.6664, 55.1361, 68.5044

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.7246, 52.4085, 60.4238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6664, 55.1361, 68.5044 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(154, 205, 209)` looks like.

```
.text, #text, p{  
    color:rgb(154, 205, 209)  
}
```

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(154, 205, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 205, 209) }
```

Border

The CSS property to change the border of an element to XYZ 46.6664, 55.1361, 68.5044 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(154, 205, 209) }
```


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

```
.border{ border-color:rgb(154, 205, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 205, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 205, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 205, 209);  
box-shadow:4px 4px 4px 4px rgb(154, 205,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6664, 55.1361, 68.5044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 205, 209) }
```

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

```
.background{ background-color: rgb(154,  
205, 209) }
```

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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