

# Converting Colors

XYZ(46.4895, 55.0874, 66.5752)

Have a look what the booklet for  
XYZ(46.4895, 55.0874, 66.5752)  
contains.

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# Color

**XYZ(46.4895, 55.0874,  
66.5752)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BCDCE
RGB	155, 205, 206
RGB Percent	61%, 80%, 81%
CMY	0.3921, 0.1961, 0.1922
CMYK	0.25, 0.00, 0.00, 0.19
HSL	181°, 34%, 71%
HSV	181°, 25%, 81%
XYZ	46.4895, 55.0874, 66.5752
YIQ	190.1640, -30.1210, -10.2890

# Conversions

## Conversions Part 2

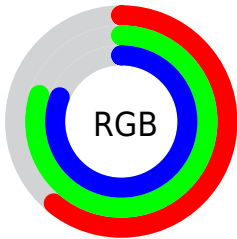
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 180, 206
Decimal	10210766
CIELab	79.09, -15.93, -5.80
CIELCh	79, 16.950, 200.012
Yxy	55.0874, 0.2765, 0.3276
Android (android.graphics.Color)	4288400846 (0xFF9BCDCE)
YUV	190.1640, 7.8071, -30.8388
Hunter-Lab	74.2209, -18.0801, -1.2278

# Details

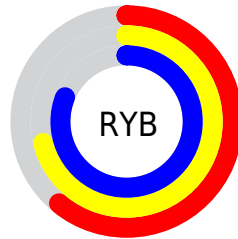
The XYZ color **46.4895, 55.0874, 66.5752** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.2592, 39.2657, 36.3106**, and the grayscale version is **49.0082, 51.5604, 56.1493**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **22.2136, 27.2250, 33.7899** is the 20% darker color. If you saturate the color by 10%, you get **42.7726, 53.0297, 66.3748**, and if you desaturate by 10%, it is **50.8844, 57.4977, 66.8097**.

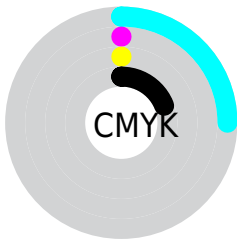
# Distribution



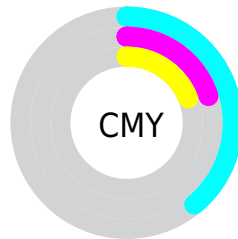
- Red (61%)
- Green (80%)
- Blue (81%)



- Red (61%)
- Yellow (71%)
- Blue (81%)



- Cyan (25%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)



- Cyan (39%)
- Magenta (20%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4895, 55.0874, 66.5752 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 46.4895, 55.0874, 66.5752 by changing the saturation by 10% instead.



■ 46.4895, 55.0874,  
66.5752

■ 46.4895, 55.0874,  
66.5752

363.4562,  
406.2431, 466.8914

■ 32.8385, 39.4717,  
48.2801

■ 84.1745, 97.6690,  
115.9464

■ 22.1614, 27.1269,  
33.6872

■ 108.9392,  
125.4037, 147.8595

■ 14.0928, 17.6685,  
22.3780

138.1392,  
157.9468, 185.1490

■ 8.2674, 10.7123,  
13.9339

172.1399,  
195.6828, 228.2334

■ 4.3198, 5.8737,  
7.9365

211.3066,  
238.9961, 277.5314

■ 1.8846, 2.7684,  
3.9671

256.0046,

■ 0.5678, 1.0121,

288.2709, 333.4613

1.6073

306.5993,  
343.8918, 396.4418

■ 0.0000, 0.0000,  
0.2960

■ 0.0000, 0.0000,  
0.0000

■ 46.4895, 55.0874,  
66.5752

■ 46.4895, 55.0874,  
66.5752

■ 42.7726, 53.0297,  
66.3748

■ 50.8844, 57.4977,  
66.8097

■ 39.6945, 51.3004,  
66.2033

■ 55.9841, 60.2704,  
67.0761

■ 37.2196, 49.8824,  
66.0600

■ 61.8201, 63.4230,  
67.3770

■ 35.3070, 48.7546,  
65.9431

■ 68.4205, 66.9700,  
67.7138

■ 33.9104, 47.8931,  
65.8505

■ 74.6981, 70.3510,  
68.0355

■ 32.9763, 47.2705,  
65.7795

■ 74.7959, 70.5465,  
68.0681

■ 32.4397, 46.8532,  
65.7273

■ 74.8939, 70.7425,  
68.1008

■ 32.2547, 46.6842,  
65.7044

■ 74.9921, 70.9391,  
68.1335

■ 75.0907, 71.1361,  
68.1664

# Harmonies

## Analogous

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



46.2186, 55.0874, 56.8119



46.4895, 55.0874, 66.5752



48.2946, 55.0874, 75.3932

# Triad

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



46.4895, 55.0874, 66.5752



57.4952, 55.0874, 72.7475



53.4936, 55.0874, 43.4616

# Complementary

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



46.4895, 55.0874, 66.5752



43.2592, 39.2657, 36.3106

# 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.



56.6451, 55.0874, 46.8265



46.4895, 55.0874, 66.5752



59.0203, 55.0874, 63.2655

# Square

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



46.4895, 55.0874, 66.5752



54.6135, 55.0874, 79.2138



58.7027, 55.0874, 53.8369



50.1672, 55.0874, 44.1439



# Rectangle

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



46.4895, 55.0874, 66.5752



50.1698, 55.0874, 79.2172



58.7027, 55.0874, 53.8369



54.6108, 55.0874, 44.1416

# Sweetspot

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



46.4911, 55.0896, 66.5765



88.6739, 96.5478, 108.5697



41.5781, 53.5075, 39.5238



18.8682, 20.6046, 23.2326



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.



46.4911, 55.0896, 66.5765



71.8095, 87.3132, 107.6761



40.9100, 43.9274, 64.7161



11.5237, 12.6879, 14.4120



19.8700, 28.7639, 40.4610



1.0312, 1.4961, 2.0894



# Inverse Universe

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



48.1957, 40.9736, 63.1286



75.0700, 60.4241, 101.0561



47.9662, 48.6798, 37.8796



11.6777, 11.3998, 14.1035



22.2404, 10.7067, 35.3140



1.1504, 0.5536, 1.8381



# Previews

## White Background



This preview shows how the XYZ color 46.4895, 55.0874, 66.5752 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

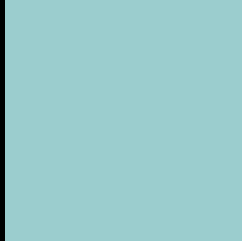
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.4895, 55.0874, 66.5752 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

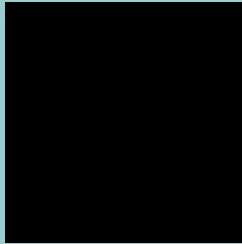
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.4895, 55.0874, 66.5752**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.4895, 55.0874, 66.5752.



This preview shows how white text looks on a background with the XYZ color 46.4895, 55.0874,



# 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

46.4895, 55.0874, 66.5752

### Protanopia

52.7431, 54.6240, 62.4072

### Deuteranopia

55.9345, 54.8403, 67.9588



## Tritanopia

48.2427, 55.0954, 75.1097

# Trichromacy



## Original Color

46.4895, 55.0874, 66.5752

## Protanomaly

50.1462, 54.5975, 63.7725

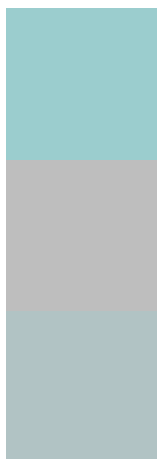
## Deuteranomaly

51.8865, 54.4031, 67.4406

## Tritanomaly

47.6351, 55.2089, 71.7641

# Monochromacy



## Original Color

46.4895, 55.0874, 66.5752

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

47.6104, 52.3628, 59.8223

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.4895, 55.0874, 66.5752 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, 205, 206)` looks like.

```
.text, #text, p{  
    color:rgb(155, 205, 206)  
}
```

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, 205, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 205, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 46.4895, 55.0874, 66.5752 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, 205, 206) }
```



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

```
.border{ border-color:rgb(155, 205, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 205, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 205, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 205, 206);  
box-shadow:4px 4px 4px 4px rgb(155, 205,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.4895, 55.0874, 66.5752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 205, 206) }
```

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

```
.background{ background-color: rgb(155,  
205, 206) }
```

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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