

# Converting Colors

XYZ(38.0332, 46.2788, 55.3009)

Have a look what the booklet for  
XYZ(38.0332, 46.2788, 55.3009)  
contains.

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# Color

**XYZ(37.9695, 46.1700,  
55.0546)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88BFBD
RGB	136, 191, 189
RGB Percent	53%, 75%, 74%
CMY	0.4667, 0.2510, 0.2588
CMYK	0.29, 0.00, 0.01, 0.25
HSL	178°, 30%, 64%
HSV	178°, 29%, 75%
XYZ	37.9695, 46.1700, 55.0546
YIQ	174.3270, -32.1380, -12.2820

# Conversions

## Conversions Part 2

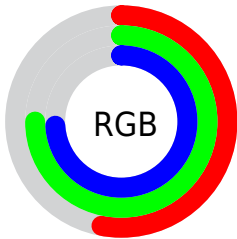
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 164, 191
Decimal	8961981
CIELab	73.66, -18.20, -4.75
CIELCh	74, 18.814, 194.639
Yxy	46.1700, 0.2728, 0.3317
Android (android.graphics.Color)	4287152061 (0xFF88BFBD)
YUV	174.3270, 7.2338, -33.6128
Hunter-Lab	67.9485, -19.1644, -0.4752

# Details

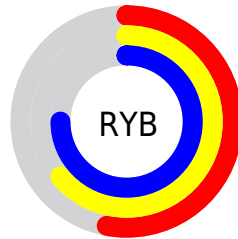
The XYZ color **37.9695, 46.1700, 55.0546** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.8791, 30.5211, 28.0995**, and the grayscale version is **40.3771, 42.4799, 46.2606**.

A 20% lighter version of the original color is **71.2281, 84.1905, 98.8825**, and **17.0458, 21.5537, 26.5544** is the 20% darker color. If you saturate the color by 10%, you get **35.0647, 44.6824, 54.5265**, and if you desaturate by 10%, it is **41.4301, 47.9464, 55.6126**.

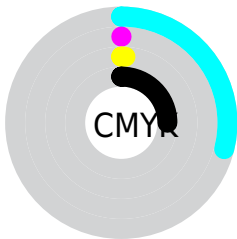
# Distribution



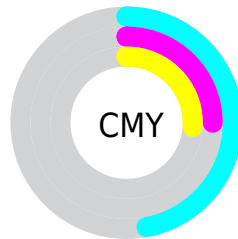
- Red (53%)
- Green (75%)
- Blue (74%)



- Red (53%)
- Yellow (64%)
- Blue (75%)



- Cyan (29%)
- Magenta (0%)
- Yellow (1%)
- Black (25%)



- Cyan (47%)
- Magenta (25%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9695, 46.1700, 55.0546 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 37.9695, 46.1700, 55.0546 by changing the saturation by 10% instead.



■ 37.9695, 46.1700,  
55.0546

■ 37.9695, 46.1700,  
55.0546

328.7722,  
371.4917, 423.4066

■ 26.1361, 32.3800,  
39.0465

■ 71.3656, 84.4734,  
99.0929

■ 17.0587, 21.6519,  
26.4878

■ 93.6590, 109.7555,  
127.9602

■ 10.3719, 13.6014,  
16.9599

■ 120.1698,  
139.6371, 161.9511

■ 5.7104, 7.8439,  
10.0443

151.2634,  
174.5027, 201.4839

■ 2.7088, 3.9952,  
5.3223

187.3051,  
214.7365, 246.9774

■ 1.0017, 1.6709,  
2.3756

228.6602,

■ 0.0000, 0.4047,

260.7230, 298.8500

0.7731

275.6941,  
312.8466, 357.5202

■ 0.0000, 0.0000,  
0.0000

■ 37.9695, 46.1700,  
55.0546

■ 37.9695, 46.1700,  
55.0546

■ 35.0647, 44.6824,  
54.5265

■ 41.4301, 47.9464,  
55.6126

■ 32.6824, 43.4629,  
54.0238

■ 45.4697, 50.0201,  
56.1985

■ 30.7919, 42.4969,  
53.5460

■ 50.1151, 52.4061,  
56.8147

■ 29.3574, 41.7660,  
53.0914

■ 55.3900, 55.1166,  
57.4623

■ 28.3387, 41.2494,  
52.6581

■ 61.3172, 58.1632,  
58.1423

■ 27.6883, 40.9226,  
52.2440

■ 67.9181, 61.5572,  
58.8557

■ 27.3262, 40.7444,  
51.8452

■ 69.5945, 62.4124,  
59.3405

■ 27.2886, 40.7260,  
51.7976

■ 69.6727, 62.4437,  
59.7525

■ 69.7513, 62.4751,  
60.1664

# Harmonies

## Analogous

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



37.9885, 46.1700, 45.5641



37.9695, 46.1700, 55.0546



39.4789, 46.1700, 64.3032

# Triad

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



37.9695, 46.1700, 55.0546



48.5425, 46.1700, 64.4959



45.6030, 46.1700, 34.5673

# Complementary

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



37.9695, 46.1700, 55.0546



34.8791, 30.5211, 28.0995

# 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.



48.6035, 46.1700, 38.4453



37.9695, 46.1700, 55.0546



50.3582, 46.1700, 55.2920

# Square

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



37.9695, 46.1700, 55.0546



45.5231, 46.1700, 70.2046



50.3811, 46.1700, 45.7734



42.2832, 46.1700, 34.5208



# Rectangle

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



37.9695, 46.1700, 55.0546



41.1949, 46.1700, 68.7492



50.3811, 46.1700, 45.7734



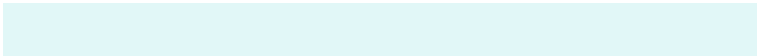
46.6860, 46.1700, 35.4419

# Sweetspot

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



37.9708, 46.1719, 55.0557



81.1644, 89.4446, 100.6103



33.6820, 44.5086, 30.1094



17.5753, 19.5141, 22.0585



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

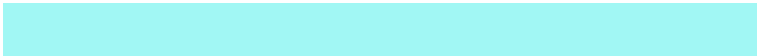


# Same Dimension

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



37.9708, 46.1719, 55.0557



64.3803, 80.8335, 97.9551



33.2405, 36.3608, 54.5587



9.7932, 10.8034, 12.1603



17.9397, 26.7661, 34.0747



0.7074, 1.0503, 1.3596



# Inverse Universe

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



34.8791, 30.5211, 28.0995



57.8818, 47.9277, 41.2887



38.6327, 38.2580, 28.6420



9.5439, 9.5418, 9.9870



14.1518, 7.2919, 0.8269



0.5592, 0.2876, 0.0580



# Previews

## White Background



This preview shows how the XYZ color 37.9695, 46.1700, 55.0546 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

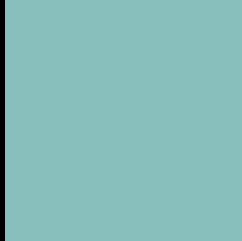
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.9695, 46.1700, 55.0546 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

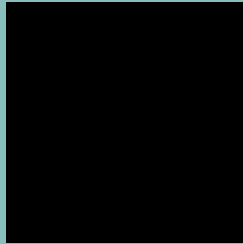
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.9695, 46.1700, 55.0546**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.9695, 46.1700, 55.0546.



This preview shows how white text looks on a background with the XYZ color 37.9695, 46.1700,



# 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

37.9695, 46.1700, 55.0546

### Protanopia

44.0920, 45.6849, 50.7501

### Deuteranopia

46.5826, 45.6722, 56.2296



## Tritanopia

39.7441, 46.2438, 63.9579

# Trichromacy



## Original Color

37.9695, 46.1700, 55.0546

## Protanomaly

41.4163, 45.4767, 52.4940

## Deuteranomaly

42.9411, 45.5800, 55.8248

## Tritanomaly

39.2035, 46.3537, 60.9137

# Monochromacy



## Original Color

37.9695, 46.1700, 55.0546

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

38.9551, 43.3708, 48.9661

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.9695, 46.1700, 55.0546 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(136, 191, 189)` looks like.

```
.text, #text, p{  
    color:rgb(136, 191, 189)  
}
```

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(136, 191, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 191, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 37.9695, 46.1700, 55.0546 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(136, 191, 189) }
```



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

```
.border{ border-color:rgb(136, 191, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 191, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 191, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 191, 189);  
box-shadow:4px 4px 4px 4px rgb(136, 191,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.9695, 46.1700, 55.0546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 191, 189) }
```

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

```
.background{ background-color: rgb(136,  
191, 189) }
```

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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