

# Converting Colors

XYZ(45.2612, 62.7418, 53.5254)

Have a look what the booklet for  
XYZ(45.2612, 62.7418, 53.5254)  
contains.

<b>XYZ(45.2097, 62.7155, 53.4386)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(45.2097, 62.7155,  
53.4386)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85E2B5
RGB	133, 226, 181
RGB Percent	52%, 89%, 71%
CMY	0.4784, 0.1137, 0.2902
CMYK	0.41, 0.00, 0.20, 0.11
HSL	151°, 62%, 70%
HSV	151°, 41%, 89%
XYZ	45.2097, 62.7155, 53.4386
YIQ	193.0630, -40.9830, -33.7110

# Conversions

## Conversions Part 2

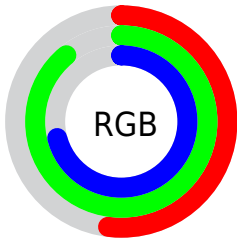
Format	Color
<a href="#">RYB</a>	<a href="#">133, 194, 226</a>
Decimal	<a href="#">8774325</a>
CIELab	<a href="#">83.29, -37.68, 13.43</a>
CIELCh	<a href="#">83, 40.006, 160.378</a>
Yxy	<a href="#">62.7155, 0.2802, 0.3887</a>
Android (android.graphics.Color)	<a href="#">4286964405 (0xFF85E2B5)</a>
YUV	<a href="#">193.0630, -5.9471, -52.6753</a>
Hunter-Lab	<a href="#">79.1931, -36.6860, 15.4270</a>

# Details

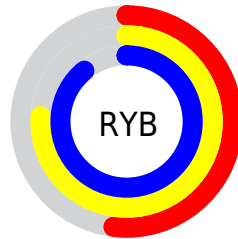
The XYZ color **45.2097, 62.7155, 53.4386** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **47.7895, 36.1596, 46.5825**, and the grayscale version is **50.7781, 53.4225, 58.1771**.

A 20% lighter version of the original color is **72.2813, 88.5816, 93.4091**, and **21.3316, 31.8857, 25.4523** is the 20% darker color. If you saturate the color by 10%, you get **40.9400, 60.6407, 47.6100**, and if you desaturate by 10%, it is **50.3386, 65.2264, 59.7700**.

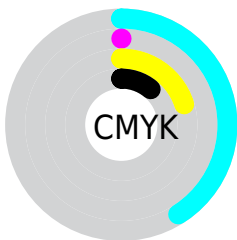
# Distribution



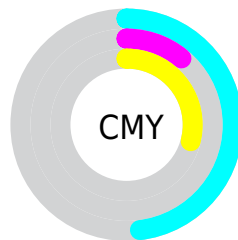
- Red (52%)
- Green (89%)
- Blue (71%)



- Red (52%)
- Yellow (76%)
- Blue (89%)



- Cyan (41%)
- Magenta (0%)
- Yellow (20%)
- Black (11%)



- Cyan (48%)
- Magenta (11%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2097, 62.7155, 53.4386 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 45.2097, 62.7155, 53.4386 by changing the saturation by 10% instead.



■ 45.2097, 62.7155,  
53.4386

■ 45.2097, 62.7155,  
53.4386

358.3916,  
434.5362, 417.0795

■ 31.8246, 45.6111,  
37.7629

■ 82.2701, 108.7590,  
96.6975

■ 21.3825, 31.9390,  
25.4983

■ 106.6762,  
138.4668, 125.1178

■ 13.5179, 21.3149,  
16.2263

■ 135.4866,  
173.1446, 158.6234

■ 7.8656, 13.3544,  
9.5284

169.0667,  
213.1767, 197.6328

■ 4.0601, 7.6730,  
4.9859

207.7819,  
258.9475, 242.5646

■ 1.7362, 3.8865,  
2.1804

251.9976,

■ 0.4788, 1.6103,

310.8414, 293.8373

0.6630

302.0790,  
369.2429, 351.8694

■ 0.0000, 0.3645,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 45.2097, 62.7155,  
53.4386

■ 45.2097, 62.7155,  
53.4386

■ 40.9400, 60.6407,  
47.6100

■ 50.3386, 65.2264,  
59.7700

■ 37.4725, 58.9678,  
42.2670

■ 56.3687, 68.1899,  
66.6122


■ 34.7515, 57.6700,  
37.3974


■ 63.3454, 71.6307,  
73.9786


■ 32.7110, 56.7136,  
32.9868


■ 71.3095, 75.5696,  
81.8806

 31.2727, 56.0585,  
29.0199

 80.2992, 80.0263,  
90.3292

 30.3876, 55.6711,  
25.8642

 85.1671, 82.3469,  
99.0926

 86.4875, 82.8751,  
106.0458

# Harmonies

## Analogous

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



49.4228, 62.7155, 37.9244



45.2097, 62.7155, 53.4386



44.6323, 62.7155, 77.2784

# Triad

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



45.2097, 62.7155, 53.4386



62.6713, 62.7155, 127.0299



73.2714, 62.7155, 41.7314

# Complementary

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



45.2097, 62.7155, 53.4386



47.7895, 36.1596, 46.5825

# 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.



77.6097, 62.7155, 60.0207



45.2097, 62.7155, 53.4386



71.1071, 62.7155, 111.6331

# Square

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



45.2097, 62.7155, 53.4386



54.1701, 62.7155, 124.0333



76.7813, 62.7155, 85.6577



65.4007, 62.7155, 32.3911



# Rectangle

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



45.2097, 62.7155, 53.4386



46.3199, 62.7155, 95.4695



76.7813, 62.7155, 85.6577



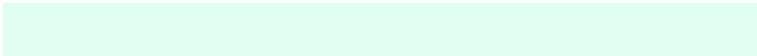
75.2243, 62.7155, 46.8254

# Sweetspot

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



45.2114, 62.7181, 53.4400



82.3815, 93.7340, 96.3391



50.1382, 65.7324, 32.2361



17.3626, 19.9294, 20.3412



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.



45.2114, 62.7181, 53.4400



54.7718, 80.1891, 63.9480



50.5988, 64.8730, 81.8095



13.8226, 15.4548, 16.1013



17.3957, 31.7831, 15.0727



1.2510, 2.2211, 1.2828



# Inverse Universe

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



47.7895, 36.1596, 46.5825



58.5795, 40.9787, 53.8309



43.9870, 34.6386, 26.5585



13.9822, 13.8105, 15.6763



19.5384, 9.8824, 9.5011

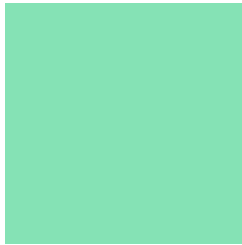


1.3994, 0.7030, 0.8961



# Previews

## White Background



This preview shows how the XYZ color 45.2097, 62.7155, 53.4386 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

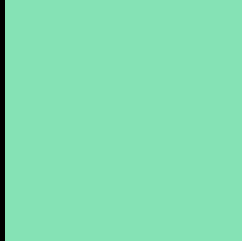
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.2097, 62.7155, 53.4386 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

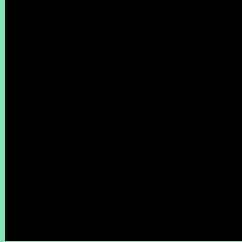
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 45.2097, 62.7155, 53.4386

## Background



This preview shows how black text looks on a background with the XYZ color 45.2097, 62.7155, 53.4386.



This preview shows how white text looks on a background with the XYZ color 45.2097, 62.7155,

53.4386.

# 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

45.2097, 62.7155, 53.4386

### Protanopia

58.3354, 61.9883, 47.4184

### Deuteranopia

63.3247, 61.9271, 55.6293



## Tritanopia

52.0658, 62.3099, 88.6397

# Trichromacy



## Original Color

45.2097, 62.7155, 53.4386



## Protanomaly

52.0256, 61.2484, 49.6375



## Deuteranomaly

54.5834, 60.9740, 54.7913



## Tritanomaly

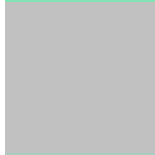
49.2356, 62.3335, 74.4023

# Monochromacy



## Original Color

45.2097, 62.7155, 53.4386



## Achromatopsia

50.6879, 53.3276, 58.0738



## Achromatomaly

47.8112, 55.9947, 56.4323

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.2097, 62.7155, 53.4386 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(133, 226, 181)` looks like.

```
.text, #text, p{  
    color:rgb(133, 226, 181)  
}
```

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(133, 226, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 226, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 45.2097, 62.7155, 53.4386 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(133, 226, 181) }
```



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

```
.border{ border-color:rgb(133, 226, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 226, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 226, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 226, 181); box-shadow:4px 4px 4px 4px rgb(133, 226, 181) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.2097, 62.7155, 53.4386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 226, 181) }
```

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

```
.background{ background-color: rgb(133,  
226, 181) }
```

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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