

# Converting Colors

XYZ(34.5074, 50.6464, 45.9772)

Have a look what the booklet for  
XYZ(34.5074, 50.6464, 45.9772)  
contains.

<b>XYZ(34.5704, 50.8304, 46.0194)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(34.5704, 50.8304,  
46.0194)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DD1AA
RGB	93, 209, 170
RGB Percent	36%, 82%, 67%
CMY	0.6353, 0.1804, 0.3333
CMYK	0.56, 0.00, 0.19, 0.18
HSL	160°, 56%, 59%
HSV	160°, 56%, 82%
XYZ	34.5704, 50.8304, 46.0194
YIQ	169.8700, -56.6170, -36.7210

# Conversions

## Conversions Part 2

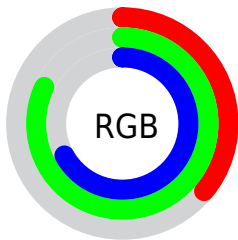
Format	Color
<a href="#">RYB</a>	<a href="#">93, 163, 209</a>
Decimal	<a href="#">6148522</a>
CIELab	<a href="#">76.58, -42.13, 9.52</a>
CIELCh	<a href="#">77, 43.188, 167.263</a>
Yxy	<a href="#">50.8304, 0.2631, 0.3868</a>
Android (android.graphics.Color)	<a href="#">4284338602 (0xFF5DD1AA)</a>
YUV	<a href="#">169.8700, 0.0641, -67.4150</a>
Hunter-Lab	<a href="#">71.2954, -38.2143, 11.6366</a>

# Details

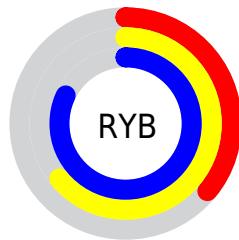
The XYZ color **34.5704, 50.8304, 46.0194** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **34.3755, 23.0513, 24.4694**, and the grayscale version is **38.1649, 40.1524, 43.7260**.

A 20% lighter version of the original color is **62.2995, 83.6316, 84.0932**, and **15.1349, 24.5786, 21.0860** is the 20% darker color. If you saturate the color by 10%, you get **32.0901, 49.6279, 42.5262**, and if you desaturate by 10%, it is **37.6670, 52.3492, 49.7292**.

# Distribution



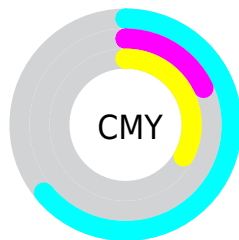
- Red (36%)
- Green (82%)
- Blue (67%)



- Red (36%)
- Yellow (64%)
- Blue (82%)



- Cyan (56%)
- Magenta (0%)
- Yellow (19%)
- Black (18%)




- Cyan (64%)
- Magenta (18%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5704, 50.8304, 46.0194 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 34.5704, 50.8304, 46.0194 by changing the saturation by 10% instead.





 34.5704, 50.8304,  
46.0194


 34.5704, 50.8304,  
46.0194


314.2094,  
389.9045, 387.1665


 23.4971, 36.0737,  
31.9124


 66.1581, 91.4040,  
85.5826


 15.0837, 24.4911,  
21.0303


 87.4033, 117.9897,  
111.8759

 8.9648, 15.6983,  
12.9547


 112.7697,  
149.2871, 143.0683

 4.7752, 9.3109,  
7.2670

 142.6229,  
185.6807, 179.5784

 2.1494, 4.9445,  
3.5487

177.3281,  
227.5548, 221.8247

 0.7158, 2.2148,  
1.3812

217.2506,

 0.0000, 0.7280,

275.2939, 270.2258

0.1270

262.7559,  
329.2823, 325.2002

■ 0.0000, 0.0000,  
0.0000

■ 34.5704, 50.8304,  
46.0194

■ 34.5704, 50.8304,  
46.0194

■ 32.0901, 49.6279,  
42.5262

■ 37.6670, 52.3492,  
49.7292

■ 30.1731, 48.7103,  
39.2408

■ 41.4192, 54.2005,  
53.6570

■ 28.7641, 48.0507,  
36.1590

■ 45.8677, 56.4065,  
57.8084

■ 27.7935, 47.6132,  
33.2744

■ 51.0488, 58.9859,  
62.1878

■ 27.4420, 47.4590,  
32.0376

■ 56.9960, 61.9558,  
66.7995

■ 63.7408, 65.3326,  
71.6474

■ 71.3130, 69.1314,  
76.7356

■ 77.7990, 72.3658,  
81.9769

■ 78.7846, 72.7600,  
87.1673

# Harmonies

## Analogous

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



37.6828, 50.8304, 30.1129



34.5704, 50.8304, 46.0194



34.8275, 50.8304, 69.7766

# Triad

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



34.5704, 50.8304, 46.0194



53.1190, 50.8304, 110.2882



59.7596, 50.8304, 28.4720

# Complementary

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



34.5704, 50.8304, 46.0194



34.3755, 23.0513, 24.4694

# 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.



64.8946, 50.8304, 43.0557



34.5704, 50.8304, 46.0194



60.7744, 50.8304, 91.7753

# Square

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



34.5704, 50.8304, 46.0194



44.9360, 50.8304, 111.7485



65.2857, 50.8304, 65.8538



51.8547, 50.8304, 22.0729



# Rectangle

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



34.5704, 50.8304, 46.0194



36.8726, 50.8304, 87.2465



65.2857, 50.8304, 65.8538



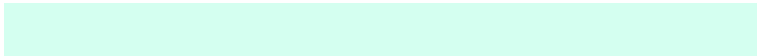
61.9037, 50.8304, 32.3574

# Sweetspot

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



34.5718, 50.8324, 46.0206



78.6019, 91.7816, 96.3421



34.5458, 51.4289, 18.4628



16.4589, 19.4631, 20.3188



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.



34.5718, 50.8324, 46.0206



49.5715, 77.4685, 65.4983



34.7864, 44.4564, 67.0715



11.9824, 13.3367, 14.2636



16.9668, 29.2796, 20.0030



0.9848, 1.6516, 1.3088



# Inverse Universe

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



34.3755, 23.0513, 24.4694



49.2740, 29.5648, 28.5411



33.8911, 25.5854, 13.5090



11.9704, 11.8729, 13.1198



16.9406, 8.6491, 4.5936

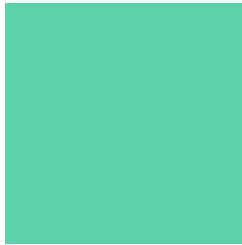


0.9839, 0.4983, 0.4498



# Previews

## White Background



This preview shows how the XYZ color 34.5704, 50.8304, 46.0194 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

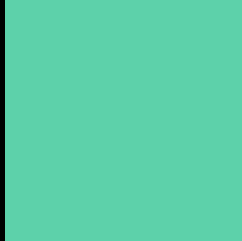
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.5704, 50.8304, 46.0194 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

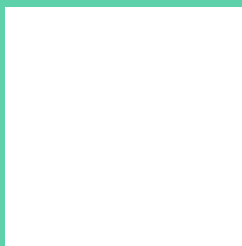
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.5704, 50.8304, 46.0194**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.5704, 50.8304, 46.0194.



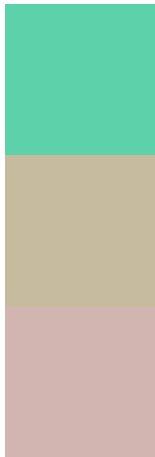
This preview shows how white text looks on a background with the XYZ color 34.5704, 50.8304,



# 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

34.5704, 50.8304, 46.0194

### Protanopia

47.3170, 50.0496, 39.9676

### Deuteranopia

50.9387, 49.8840, 48.0181



## Tritanopia

40.2134, 50.6067, 74.6664

# Trichromacy



## Original Color

34.5704, 50.8304, 46.0194



## Protanomaly

40.6232, 49.1481, 41.9958



## Deuteranomaly

42.2071, 48.5331, 47.1877



## Tritanomaly

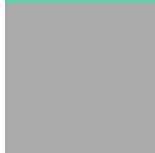
37.9675, 50.7633, 63.0555

# Monochromacy



## Original Color

34.5704, 50.8304, 46.0194



## Achromatopsia

38.2080, 40.1978, 43.7754



## Achromatomaly

35.5515, 42.9340, 44.4435

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.5704, 50.8304, 46.0194 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(93, 209, 170)` looks like.

```
.text, #text, p{  
    color:rgb(93, 209, 170)  
}
```

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(93, 209, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 209, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 34.5704, 50.8304, 46.0194 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(93, 209, 170) }
```



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

```
.border{ border-color:rgb(93, 209, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 209, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 209, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 209, 170);  
box-shadow:4px 4px 4px 4px rgb(93, 209,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.5704, 50.8304, 46.0194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 209, 170) }
```

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

```
.background{ background-color: rgb(93, 209,  
170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor