

# Converting Colors

XYZ(34.1961, 43.3521, 52.3375)

Have a look what the booklet for  
XYZ(34.1961, 43.3521, 52.3375)  
contains.

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# Color

**XYZ(34.2114, 43.3208,  
52.4576)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76BCB9
RGB	118, 188, 185
RGB Percent	46%, 74%, 73%
CMY	0.5372, 0.2627, 0.2745
CMYK	0.37, 0.00, 0.02, 0.26
HSL	177°, 34%, 60%
HSV	177°, 37%, 74%
XYZ	34.2114, 43.3208, 52.4576
YIQ	166.7280, -40.7570, -15.7730

# Conversions

## Conversions Part 2

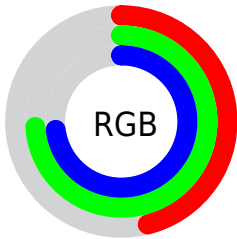
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 154, 188
Decimal	7781561
CIELab	71.77, -22.66, -5.46
CIELCh	72, 23.306, 193.540
Yxy	43.3208, 0.2632, 0.3333
Android (android.graphics.Color)	4285971641 (0xFF76BCB9)
YUV	166.7280, 9.0081, -42.7345
Hunter-Lab	65.8185, -22.4011, -1.1814

# Details

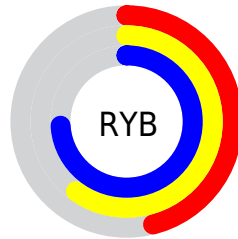
The XYZ color **34.2114, 43.3208, 52.4576** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.6702, 25.0299, 21.3055**, and the grayscale version is **36.5711, 38.4757, 41.9000**.

A 20% lighter version of the original color is **65.4614, 79.9365, 95.1982**, and **14.8043, 19.8061, 24.8725** is the 20% darker color. If you saturate the color by 10%, you get **31.8239, 42.1009, 51.9037**, and if you desaturate by 10%, it is **37.1107, 44.8067, 53.0399**.

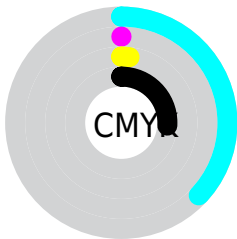
# Distribution



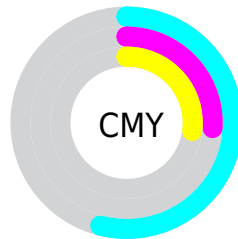
- Red (46%)
- Green (74%)
- Blue (73%)



- Red (46%)
- Yellow (60%)
- Blue (74%)



- Cyan (37%)
- Magenta (0%)
- Yellow (2%)
- Black (26%)



- Cyan (54%)
- Magenta (26%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2114, 43.3208, 52.4576 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 34.2114, 43.3208, 52.4576 by changing the saturation by 10% instead.





 34.2114, 43.3208,  
52.4576


 34.2114, 43.3208,  
52.4576


312.6430,  
359.9294, 413.2078


 23.2197, 30.1369,  
36.9852


 65.6044, 80.1947,  
95.2392

 14.8774, 19.9425,  
24.9003

 86.7364, 104.6536,  
123.3855

 8.8191, 12.3533,  
15.7845


 111.9792,  
133.6395, 156.5934

 4.6796, 6.9847,  
9.2191

141.6982,  
167.5369, 195.2817

 2.0933, 3.4526,  
4.7856

176.2587,  
206.7302, 239.8687

 0.6856, 1.3723,  
2.0655

216.0261,

 0.0000, 0.1962,

251.6038, 290.7730

0.5951

261.3658,  
302.5421, 348.4132

■ 0.0000, 0.0000,  
0.0000

■ 34.2114, 43.3208,  
52.4576

■ 34.2114, 43.3208,  
52.4576

■ 31.8239, 42.1009,  
51.9037

■ 37.1107, 44.8067,  
53.0399

■ 29.9141, 41.1261,  
51.3737

■ 40.5460, 46.5677,  
53.6488

■ 28.4495, 40.3808,  
50.8671


■ 44.5444, 48.6189,  
54.2866


■ 27.3923, 39.8454,  
50.3821


■ 49.1299, 50.9729,  
54.9544


■ 26.6981, 39.4971,  
49.9165

■ 54.3255, 53.6412,  
55.6533


 26.3040, 39.3035,  
49.4675

 60.1527, 56.6351,  
56.3843

 26.2161, 39.2608,  
49.3447

 66.6320, 59.9651,  
57.1484

 68.6777, 61.0094,  
57.7075

 68.7670, 61.0451,  
58.1776

# Harmonies

## Analogous

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



34.3001, 43.3208, 41.2598



34.2114, 43.3208, 52.4576



35.9018, 43.3208, 63.8304

# Triad

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



34.2114, 43.3208, 52.4576



46.6426, 43.3208, 64.7956



43.3690, 43.3208, 29.2040

# Complementary

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



34.2114, 43.3208, 52.4576



30.6702, 25.0299, 21.3055

# 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.



46.9411, 43.3208, 33.6929



34.2114, 43.3208, 52.4576



48.9123, 43.3208, 53.6171

# Square

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



34.2114, 43.3208, 52.4576



42.9826, 43.3208, 71.6867



49.0250, 43.3208, 42.2483



39.4191, 43.3208, 28.9958



# Rectangle

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



34.2114, 43.3208, 52.4576



37.8768, 43.3208, 69.4926



49.0250, 43.3208, 42.2483



44.6595, 43.3208, 30.2252

# Sweetspot

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



34.2127, 43.3225, 52.4586



77.7424, 86.5797, 97.9198



29.2100, 41.3774, 23.5875



16.5061, 18.5098, 21.0235



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



34.2127, 43.3225, 52.4586



58.2652, 76.6007, 94.2115



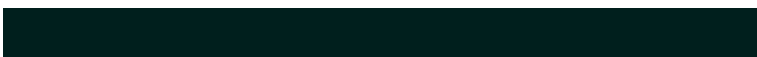
28.5222, 31.4289, 52.1420



9.7904, 10.8023, 12.1459



17.8558, 26.7326, 33.6333



0.7050, 1.0493, 1.3465



# Inverse Universe

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



30.6702, 25.0299, 21.3055



50.8871, 38.4789, 29.3110



34.8373, 33.6543, 21.8002



9.5463, 9.5428, 9.9999



14.1574, 7.2941, 0.8564

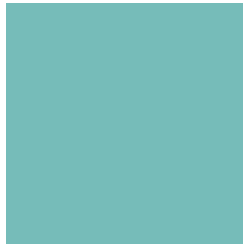


0.5603, 0.2880, 0.0637



# Previews

## White Background



This preview shows how the XYZ color 34.2114, 43.3208, 52.4576 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

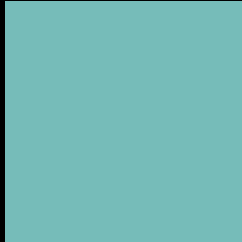
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.2114, 43.3208, 52.4576 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 34.2114, 43.3208, 52.4576**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.2114, 43.3208, 52.4576.



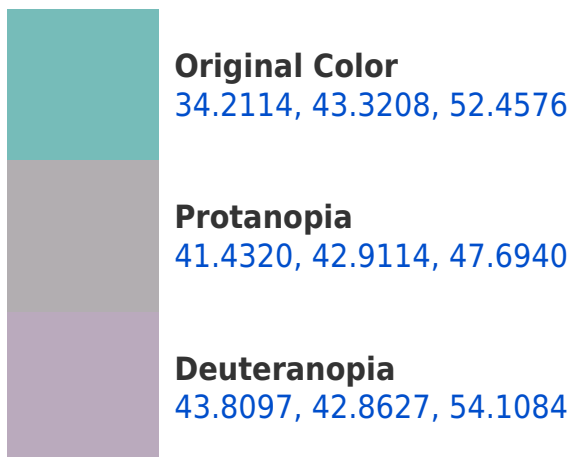
This preview shows how white text looks on a background with the XYZ color 34.2114, 43.3208,



# 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





## Tritanopia

36.1276, 43.4724, 61.7452

# Trichromacy



## Original Color

34.2114, 43.3208, 52.4576

## Protanomaly

38.0686, 42.6034, 49.3969

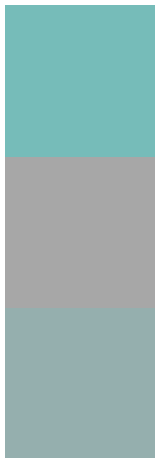
## Deuteranomaly

39.4972, 42.6522, 53.7279

## Tritanomaly

35.5058, 43.5457, 58.1636

# Monochromacy



## Original Color

34.2114, 43.3208, 52.4576

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

35.3644, 40.1055, 45.9216

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.2114, 43.3208, 52.4576 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(118, 188, 185)` looks like.

```
.text, #text, p{  
    color:rgb(118, 188, 185)  
}
```

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(118, 188, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 188, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 34.2114, 43.3208, 52.4576 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(118, 188, 185) }
```



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

```
.border{ border-color:rgb(118, 188, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 188, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 188, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 188, 185);  
box-shadow:4px 4px 4px 4px rgb(118, 188,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.2114, 43.3208, 52.4576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 188, 185) }
```

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

```
.background{ background-color: rgb(118,  
188, 185) }
```

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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