

# Converting Colors

XYZ(34.6851, 42.5569, 56.4231)

Have a look what the booklet for  
XYZ(34.6851, 42.5569, 56.4231)  
contains.

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# Color

**XYZ(34.6091, 42.4968,  
56.2478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78B9C0
RGB	120, 185, 192
RGB Percent	47%, 73%, 75%
CMY	0.5294, 0.2745, 0.2471
CMYK	0.37, 0.04, 0.00, 0.25
HSL	186°, 36%, 61%
HSV	186°, 37%, 75%
XYZ	34.6091, 42.4968, 56.2478
YIQ	166.3630, -40.9870, -11.6030

# Conversions

## Conversions Part 2

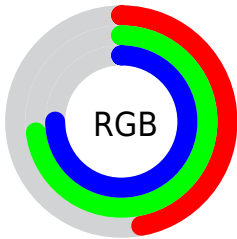
Format	Color
R <sub>Y</sub> B	120, 154, 192
Decimal	7911872
CIE Lab	71.21, -18.87, -10.11
CIE LCh	71, 21.409, 208.182
Yxy	42.4968, 0.2595, 0.3187
Android (android.graphics.Color)	4286101952 (0xFF78B9C0)
YUV	166.3630, 12.6390, -40.6604
Hunter-Lab	65.1896, -19.3162, -5.5247

# Details

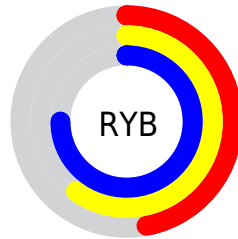
The XYZ color **34.6091, 42.4968, 56.2478** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.7183, 27.7417, 21.4004**, and the grayscale version is **36.3771, 38.2715, 41.6777**.

A 20% lighter version of the original color is **66.0778, 78.8019, 100.5346**, and **15.1582, 19.5249, 27.3958** is the 20% darker color. If you saturate the color by 10%, you get **31.8212, 40.4848, 56.0071**, and if you desaturate by 10%, it is **37.9386, 44.7976, 56.5171**.

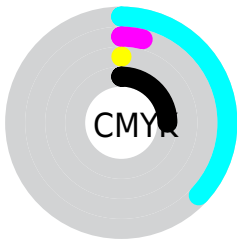
# Distribution



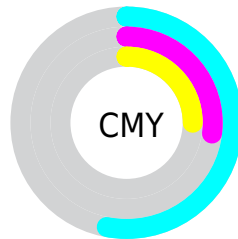
- Red (47%)
- Green (73%)
- Blue (75%)



- Red (47%)
- Yellow (60%)
- Blue (75%)



- Cyan (37%)
- Magenta (4%)
- Yellow (0%)
- Black (25%)



- Cyan (53%)
- Magenta (27%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6091, 42.4968, 56.2478 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 34.6091, 42.4968, 56.2478 by changing the saturation by 10% instead.



■ 34.6091, 42.4968,  
56.2478

■ 34.6091, 42.4968,  
56.2478

314.3779,  
356.5383, 428.0392

■ 23.5270, 29.4905,  
39.9963

■ 66.2178, 78.9510,  
100.8562

■ 15.1060, 19.4522,  
27.2219

■ 87.4751, 103.1676,  
130.0502

■ 8.9806, 11.9975,  
17.5060

■ 112.8548,  
131.8898, 164.3954

■ 4.7855, 6.7420,  
10.4302

142.7224,  
165.5020, 204.3104

■ 2.1554, 3.3013,  
5.5758

177.4431,  
204.3885, 250.2138

■ 0.7191, 1.2910,  
2.5243

217.3824,

■ 0.0000, 0.1342,

248.9338, 302.5240

0.8530

262.9055,  
299.5223, 361.6596

■ 0.0000, 0.0000,  
0.0000

■ 34.6091, 42.4968,  
56.2478

■ 34.6091, 42.4968,  
56.2478

■ 31.8212, 40.4848,  
56.0071

■ 37.9386, 44.7976,  
56.5171

■ 29.5389, 38.7400,  
55.7906

■ 41.8353, 47.3975,  
56.8136

■ 27.7279, 37.2458,  
55.5977

■ 46.3278, 50.3121,  
57.1394

■ 26.3481, 35.9814,  
55.4263

■ 51.4416, 53.5547,  
57.4958

■ 25.3526, 34.9225,  
55.2744

■ 57.2007, 57.1378,  
57.8838

■ 24.6734, 34.0343,  
55.1388

■ 63.6279, 61.0729,  
58.3046

■ 24.5234, 33.8235,  
55.1060

■ 70.7448, 65.3714,  
58.7592

■ 71.3932, 66.3431,  
58.9126

■ 71.8279, 67.2125,  
59.0575

# Harmonies

## Analogous

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



33.8794, 42.4968, 45.6476



34.6091, 42.4968, 56.2478



36.8616, 42.4968, 65.1801

# Triad

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



34.6091, 42.4968, 56.2478



46.5445, 42.4968, 57.4939



40.6113, 42.4968, 29.1951

# Complementary

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



34.6091, 42.4968, 56.2478



32.7183, 27.7417, 21.4004

# 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.



44.1408, 42.4968, 31.4272



34.6091, 42.4968, 56.2478



47.6898, 42.4968, 46.9017

# Square

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



34.6091, 42.4968, 56.2478



43.7396, 42.4968, 65.9712



46.7855, 42.4968, 37.5511



37.2196, 42.4968, 30.9452



# Rectangle

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



34.6091, 42.4968, 56.2478



38.9950, 42.4968, 68.4387



46.7855, 42.4968, 37.5511



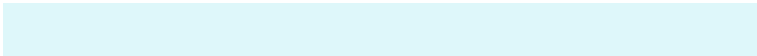
41.8219, 42.4968, 29.4970

# Sweetspot

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



34.6104, 42.4985, 56.2488



80.8205, 89.1516, 103.3086



30.3621, 43.1995, 26.4777



17.0982, 18.9702, 22.1457



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.



34.6104, 42.4985, 56.2488



58.4870, 73.9674, 101.5548



28.1674, 29.6125, 54.1011



10.2822, 11.2557, 12.9155



16.5331, 22.8226, 37.0904



0.7391, 1.0356, 1.6108



# Inverse Universe

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



37.2127, 28.1432, 49.3717



63.9731, 44.5539, 86.8662



38.0496, 38.4041, 23.1775



10.4537, 10.2301, 12.4799



19.7411, 9.5862, 27.6124

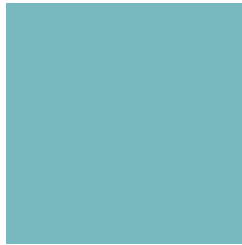


0.8654, 0.4192, 1.2588



# Previews

## White Background



This preview shows how the XYZ color 34.6091, 42.4968, 56.2478 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

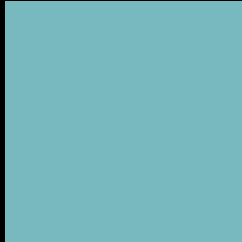
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.6091, 42.4968, 56.2478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

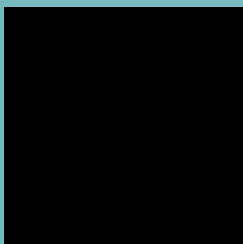
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

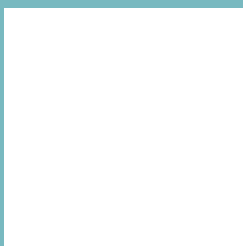
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.6091, 42.4968, 56.2478**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.6091, 42.4968, 56.2478.



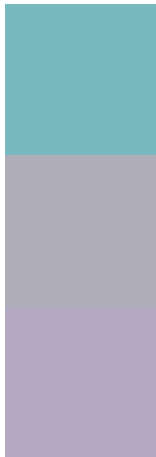
This preview shows how white text looks on a background with the XYZ color 34.6091, 42.4968,



# 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

34.6091, 42.4968, 56.2478

### Protanopia

41.0509, 42.3465, 51.3575

### Deuteranopia

42.8607, 42.0194, 57.4813



## **Tritanopia**

35.4753, 42.5421, 60.3745

# Trichromacy



## Original Color

34.6091, 42.4968, 56.2478

## Protanomaly

38.0182, 41.9022, 53.0979

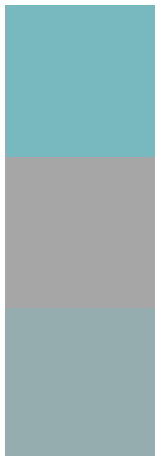
## Deuteranomaly

39.1681, 41.8241, 57.0474

## Tritanomaly

34.9895, 42.3314, 58.5512

# Monochromacy



## Original Color

34.6091, 42.4968, 56.2478

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

35.0759, 39.3718, 46.3083

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.6091, 42.4968, 56.2478 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(120, 185, 192)` looks like.

```
.text, #text, p{  
    color:rgb(120, 185, 192)  
}
```

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(120, 185, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 185, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 34.6091, 42.4968, 56.2478 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(120, 185, 192) }
```



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

```
.border{ border-color:rgb(120, 185, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 185, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 185, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 185, 192);  
box-shadow:4px 4px 4px 4px rgb(120, 185,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.6091, 42.4968, 56.2478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 185, 192) }
```

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

```
.background{ background-color: rgb(120,  
185, 192) }
```

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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