

# Converting Colors

XYZ(36.1606, 52.9439, 54.6574)

Have a look what the booklet for  
XYZ(36.1606, 52.9439, 54.6574)  
contains.

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# Color

**XYZ(36.2245, 52.9727,  
54.7699)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53D5BA
RGB	83, 213, 186
RGB Percent	33%, 84%, 73%
CMY	0.6745, 0.1647, 0.2706
CMYK	0.61, 0.00, 0.13, 0.16
HSL	168°, 61%, 58%
HSV	168°, 61%, 84%
XYZ	36.2245, 52.9727, 54.7699
YIQ	171.0520, -68.8130, -35.9570

# Conversions

## Conversions Part 2

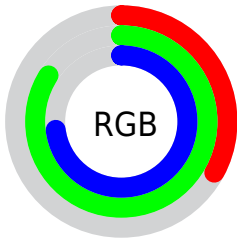
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	83, 156, 213
Decimal	5494202
CIE <sub>Lab</sub>	77.86, -42.05, 2.77
CIE <sub>LCh</sub>	78, 42.141, 176.235
Yxy	52.9727, 0.2516, 0.3680
Android (android.graphics.Color)	4283684282 (0xFF53D5BA)
YUV	171.0520, 7.3694, -77.2216
Hunter-Lab	72.7823, -38.5279, 6.3310

# Details

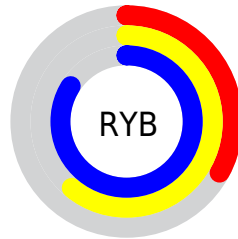
The XYZ color **36.2245, 52.9727, 54.7699** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **33.3501, 21.4600, 17.1384**, and the grayscale version is **38.7252, 40.7419, 44.3680**.

A 20% lighter version of the original color is **63.2886, 83.8601, 96.8554**, and **16.4605, 26.1472, 26.3697** is the 20% darker color. If you saturate the color by 10%, you get **34.1632, 51.9649, 52.2569**, and if you desaturate by 10%, it is **38.8805, 54.2880, 57.3891**.

# Distribution



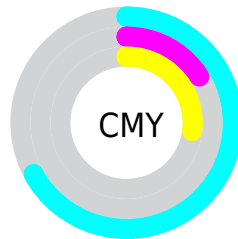
- Red (33%)
- Green (84%)
- Blue (73%)



- Red (33%)
- Yellow (61%)
- Blue (84%)



- Cyan (61%)
- Magenta (0%)
- Yellow (13%)
- Black (16%)




- Cyan (67%)
- Magenta (16%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2245, 52.9727, 54.7699 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 36.2245, 52.9727, 54.7699 by changing the saturation by 10% instead.





 36.2245, 52.9727,  
54.7699


 36.2245, 52.9727,  
54.7699


321.3549,  
398.1804, 422.2964


 24.7785, 37.7810,  
38.8202


 68.7000, 94.5642,  
98.6715


 16.0400, 25.8127,  
26.3131


 90.4603, 121.7328,  
127.4605

 9.6435, 16.6836,  
16.8302


 116.3895,  
153.6624, 161.3663

 5.2237, 10.0092,  
9.9528

 146.8528,  
190.7375, 200.8074

 2.4152, 5.4050,  
5.2625

182.2156,  
233.3424, 246.2025

 0.8527, 2.4868,  
2.3407

222.8433,

 0.0000, 0.8700,

281.8616, 297.9700

0.7539

269.1013,  
336.6795, 356.5284

■ 0.0000, 0.0000,  
0.0000

■ 36.2245, 52.9727,  
54.7699

■ 36.2245, 52.9727,  
54.7699

■ 34.1632, 51.9649,  
52.2569

■ 38.8805, 54.2880,  
57.3891

■ 32.6371, 51.2300,  
49.8432

■ 42.1748, 55.9294,  
60.1136

■ 31.5823, 50.7364,  
47.5262

■ 46.1517, 57.9210,  
62.9475

■ 30.9341, 50.4459,  
45.5250

■ 50.8507, 60.2830,  
65.8932

■ 56.3078, 63.0342,  
68.9530

■ 62.5569, 66.1919,  
72.1292

■ 69.6296, 69.7724,  
75.4239

■ 77.5559, 73.7912,  
78.8391

■ 78.7380, 74.3314,  
82.0197

# Harmonies

## Analogous

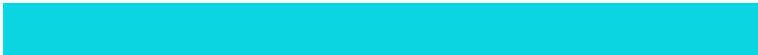
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.3691, 52.9727, 36.0843



36.2245, 52.9727, 54.7699



37.5136, 52.9727, 79.9785

# Triad

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



36.2245, 52.9727, 54.7699



57.6293, 52.9727, 108.2729



59.6095, 52.9727, 27.7429

# Complementary

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



36.2245, 52.9727, 54.7699



33.3501, 21.4600, 17.1384

# 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.



65.8216, 52.9727, 39.9641



36.2245, 52.9727, 54.7699



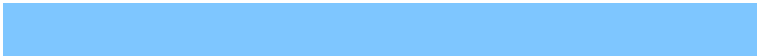
64.5941, 52.9727, 86.5215

# Square

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



36.2245, 52.9727, 54.7699



49.3229, 52.9727, 115.3367



67.7371, 52.9727, 60.6878



51.3891, 52.9727, 23.3869



# Rectangle

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



36.2245, 52.9727, 54.7699



40.2313, 52.9727, 96.7237



67.7371, 52.9727, 60.6878



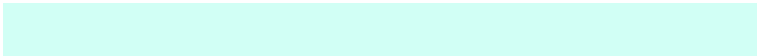
62.0349, 52.9727, 30.8728

# Sweetspot

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



36.2260, 52.9748, 54.7711



78.6355, 91.7110, 100.3172



31.9339, 51.6056, 16.4625



16.3417, 19.3834, 21.1866



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.



36.2260, 52.9748, 54.7711



50.6416, 77.7549, 77.5320



31.1373, 37.7612, 68.6007



12.6765, 14.0616, 15.3771



18.9334, 30.8287, 28.0085



1.1704, 1.8708, 1.8391



# Inverse Universe

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



33.3501, 21.4600, 17.1384



46.0399, 26.5702, 16.7544



35.7002, 28.1653, 11.7396



12.5277, 12.4626, 13.4532



17.0726, 8.7654, 2.4204

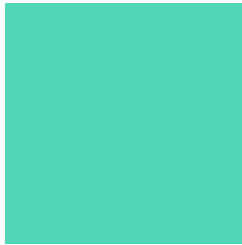


1.0603, 0.5409, 0.3071



# Previews

## White Background



This preview shows how the XYZ color 36.2245, 52.9727, 54.7699 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

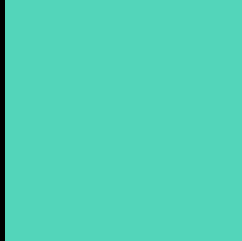
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.2245, 52.9727, 54.7699 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

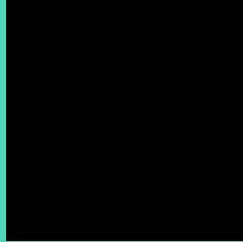
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

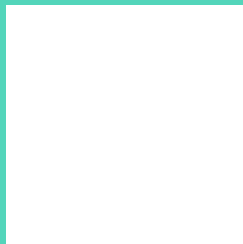
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 36.2245, 52.9727, 54.7699**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.2245, 52.9727, 54.7699.



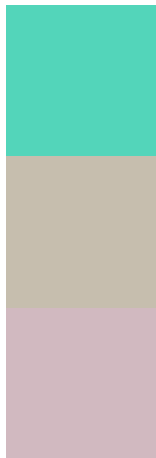
This preview shows how white text looks on a background with the XYZ color 36.2245, 52.9727,



# 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

36.2245, 52.9727, 54.7699

### Protanopia

49.3421, 51.8887, 47.4593

### Deuteranopia

53.1579, 52.0590, 57.1158



## Tritanopia

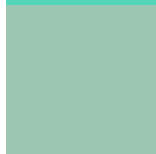
41.0474, 53.0902, 78.6050

# Trichromacy



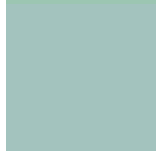
## Original Color

36.2245, 52.9727, 54.7699



## Protanomaly

41.9403, 50.6704, 49.6894



## Deuteranomaly

43.9136, 50.5344, 56.1548



## Tritanomaly

39.1937, 53.0735, 69.1513

# Monochromacy



## Original Color

36.2245, 52.9727, 54.7699



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

36.0428, 43.7414, 47.6176

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.2245, 52.9727, 54.7699 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(83, 213, 186)` looks like.

```
.text, #text, p{  
    color:rgb(83, 213, 186)  
}
```

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(83, 213, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 213, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 36.2245, 52.9727, 54.7699 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(83, 213, 186) }
```



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

```
.border{ border-color:rgb(83, 213, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 213, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 213, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 213, 186);  
box-shadow:4px 4px 4px 4px rgb(83, 213,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.2245, 52.9727, 54.7699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 213, 186) }
```

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

```
.background{ background-color: rgb(83, 213,  
186) }
```

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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