

# Converting Colors

XYZ(52.6611, 73.6351, 89.2630)

Have a look what the booklet for  
XYZ(52.6611, 73.6351, 89.2630)  
contains.

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# Color

**XYZ(52.5688, 73.4086,  
89.2405)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65F4EA
RGB	101, 244, 234
RGB Percent	40%, 96%, 92%
CMY	0.6039, 0.0431, 0.0823
CMYK	0.59, 0.00, 0.04, 0.04
HSL	176°, 87%, 68%
HSV	176°, 59%, 96%
XYZ	52.5688, 73.4086, 89.2405
YIQ	200.1030, -82.0180, -33.4260

# Conversions

## Conversions Part 2

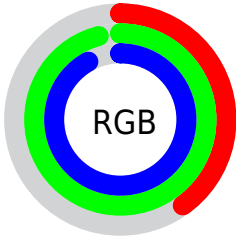
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	101, 175, 244
Decimal	6681834
CIE Lab	88.64, -40.62, -6.75
CIE LCh	89, 41.177, 189.435
Yxy	73.4086, 0.2443, 0.3411
Android (android.graphics.Color)	4284871914 (0xFF65F4EA)
YUV	200.1030, 16.7112, -86.9133
Hunter-Lab	85.6788, -40.4181, -1.7795

# Details

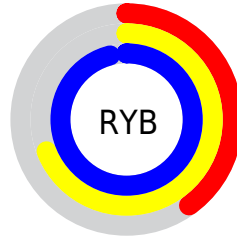
The XYZ color **52.5688, 73.4086, 89.2405** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **44.8336, 29.6903, 18.4093**, and the grayscale version is **54.9018, 57.7609, 62.9017**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **25.8438, 38.7744, 48.2416** is the 20% darker color. If you saturate the color by 10%, you get **49.9882, 72.1082, 87.8474**, and if you desaturate by 10%, it is **55.9668, 75.1336, 90.6874**.

# Distribution



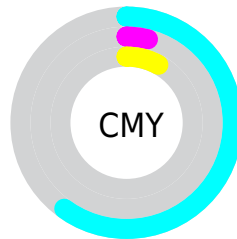
- Red (40%)
- Green (96%)
- Blue (92%)



- Red (40%)
- Yellow (69%)
- Blue (96%)



- Cyan (59%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)




- Cyan (60%)
- Magenta (4%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.5688, 73.4086, 89.2405 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 52.5688, 73.4086, 89.2405 by changing the saturation by 10% instead.




 52.5688, 73.4086,  
89.2405


 52.5688, 73.4086,  
89.2405


386.9166,  
472.4297, 546.0633


 37.6848, 54.3101,  
66.7807


 93.1388, 124.0571,  
148.2093

 25.9142, 38.8497,  
48.4460


 119.5555,  
156.3759, 185.5553

 16.8918, 26.6428,  
33.8177


 150.5471,  
193.8703, 228.7006

 10.2522, 17.3051,  
22.4774

186.4790,  
236.9247, 278.0635

 5.6300, 10.4523,  
14.0064

227.7166,  
285.9234, 334.0627

 2.6600, 5.6999,  
7.9863

274.6251,

 0.9766, 2.6634,

341.2509, 397.1167

3.9986

327.5700,  
403.2915, 467.6441

0.0000, 0.9587,  
1.6245

0.0000, 0.0000,  
0.3082

52.5688, 73.4086,  
89.2405

52.5688, 73.4086,  
89.2405

49.9882, 72.1082,  
87.8474

55.9668, 75.1336,  
90.6874

48.1444, 71.1855,  
86.4995


60.2409, 77.3082,  
92.1861


46.9518, 70.5984,  
85.1943


65.4518, 79.9655,  
93.7410


46.2838, 70.2814,  
83.9259

71.6528, 83.1329,  
95.3547


 46.2082, 70.2463,  
83.7506

 78.8935, 86.8361,  
97.0295

 87.2200, 91.0987,  
98.7676

 90.2186, 92.6144,  
100.2689

 90.4817, 92.7197,  
101.6548

 90.7473, 92.8259,  
103.0534

# Harmonies

## Analogous

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



53.3671, 73.4086, 62.2055



52.5688, 73.4086, 89.2405



56.0300, 73.4086, 119.9751

# Triad

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



52.5688, 73.4086, 89.2405



82.6282, 73.4086, 130.0861



76.7027, 73.4086, 38.8594

# Complementary

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



52.5688, 73.4086, 89.2405



44.8336, 29.6903, 18.4093

# 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.



85.5966, 73.4086, 49.9630



52.5688, 73.4086, 89.2405



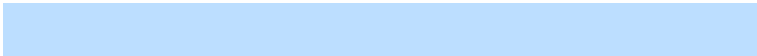
89.2368, 73.4086, 100.7358

# Square

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



52.5688, 73.4086, 89.2405



72.9523, 73.4086, 146.9828



90.3718, 73.4086, 71.2897



66.6868, 73.4086, 37.1854

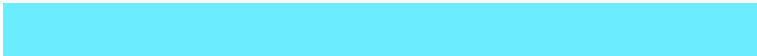


# Rectangle

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



52.5688, 73.4086, 89.2405



60.4995, 73.4086, 136.9192



90.3718, 73.4086, 71.2897



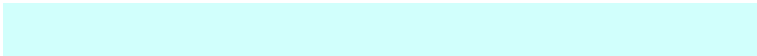
79.9480, 73.4086, 41.4607

# Sweetspot

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



52.5710, 73.4114, 89.2422



79.6201, 92.1048, 105.5022



41.5013, 69.1491, 23.4734



16.5851, 19.4807, 22.4687



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.



52.5710, 73.4114, 89.2422



54.8848, 79.5188, 96.8660



38.9255, 43.7554, 91.9851



16.9437, 18.7366, 20.9880



25.1459, 38.2032, 45.6495



2.2248, 3.3636, 4.0898



# Inverse Universe

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



44.8336, 29.6903, 18.4093



45.6616, 27.2191, 12.2952



52.3320, 45.5198, 18.3416



16.5461, 16.5013, 17.3566



20.3589, 10.4870, 1.3326

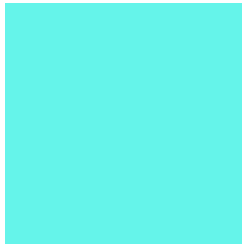


1.8054, 0.9281, 0.2018



# Previews

## White Background



This preview shows how the XYZ color 52.5688, 73.4086, 89.2405 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

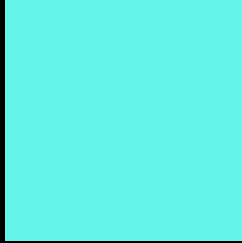
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.5688, 73.4086, 89.2405 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

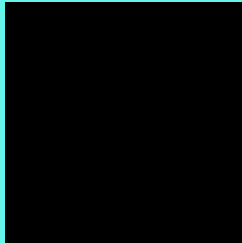
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.5688, 73.4086, 89.2405**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.5688, 73.4086, 89.2405.



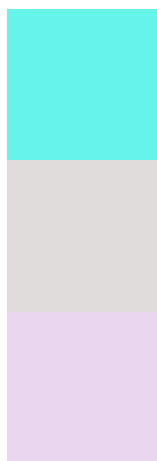
This preview shows how white text looks on a background with the XYZ color 52.5688, 73.4086,



# 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

52.5688, 73.4086, 89.2405

### Protanopia

69.5628, 72.3613, 78.0109

### Deuteranopia

73.6329, 72.2158, 92.4962



## Tritanopia

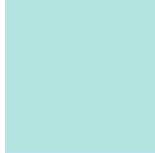
58.1403, 73.2746, 105.6868

# Trichromacy



## Original Color

52.5688, 73.4086, 89.2405



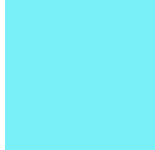
## Protanomaly

60.4323, 71.1782, 81.7878



## Deuteranomaly

62.6366, 70.8800, 91.2688



## Tritanomaly

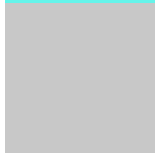
55.8337, 73.1005, 99.1628

# Monochromacy



## Original Color

52.5688, 73.4086, 89.2405



## Achromatopsia

54.8990, 57.7580, 62.8985



## Achromatomaly

51.7494, 61.7577, 71.4803

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.5688, 73.4086, 89.2405 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(101, 244, 234)` looks like.

```
.text, #text, p{  
    color:rgb(101, 244, 234)  
}
```

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(101, 244, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 244, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 52.5688, 73.4086, 89.2405 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(101, 244, 234) }
```



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

```
.border{ border-color:rgb(101, 244, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 244, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 244, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 244, 234);  
box-shadow:4px 4px 4px 4px rgb(101, 244,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.5688, 73.4086, 89.2405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 244, 234) }
```

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

```
.background{ background-color: rgb(101,  
244, 234) }
```

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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