

# Converting Colors

XYZ(45.6853, 55.2171, 72.9837)

Have a look what the booklet for  
XYZ(45.6853, 55.2171, 72.9837)  
contains.

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# Color

**XYZ(45.6920, 55.2462,  
73.2211)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DCFD8
RGB	141, 207, 216
RGB Percent	55%, 81%, 85%
CMY	0.4470, 0.1882, 0.1529
CMYK	0.35, 0.04, 0.00, 0.15
HSL	187°, 49%, 70%
HSV	187°, 35%, 85%
XYZ	45.6920, 55.2462, 73.2211
YIQ	188.2920, -42.2250, -11.1930

# Conversions

## Conversions Part 2

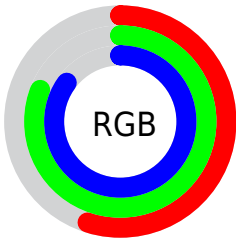
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 176, 216
Decimal	9293784
CIELab	79.18, -18.59, -11.11
CIElCh	79, 21.655, 210.878
Yxy	55.2462, 0.2624, 0.3172
Android (android.graphics.Color)	4287483864 (0xFF8DCFD8)
YUV	188.2920, 13.6600, -41.4751
Hunter-Lab	74.3278, -20.3432, -6.3778

# Details

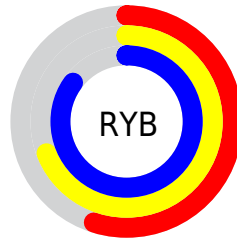
The XYZ color **45.6920, 55.2462, 73.2211** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.0338, 38.3354, 30.2793**, and the grayscale version is **47.9092, 50.4042, 54.8902**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **21.7547, 27.3819, 37.8569** is the 20% darker color. If you saturate the color by 10%, you get **41.7491, 52.2904, 72.8593**, and if you desaturate by 10%, it is **50.3648, 58.5962, 73.6224**.

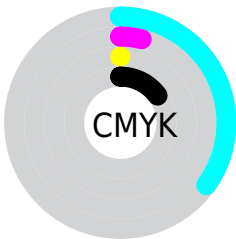
# Distribution



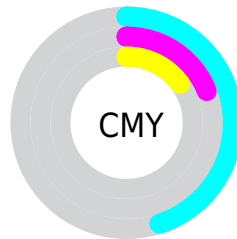
- Red (55%)
- Green (81%)
- Blue (85%)



- Red (55%)
- Yellow (69%)
- Blue (85%)



- Cyan (35%)
- Magenta (4%)
- Yellow (0%)
- Black (15%)




- Cyan (45%)
- Magenta (19%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6920, 55.2462, 73.2211 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 45.6920, 55.2462, 73.2211 by changing the saturation by 10% instead.





 45.6920, 55.2462,  
73.2211


 45.6920, 55.2462,  
73.2211


360.3057,  
406.8445, 490.8721

 32.2064, 39.5989,  
53.6638


 82.9885, 97.9016,  
125.5149

 21.6755, 27.2259,  
37.9416


 107.5302,  
125.6784, 159.0885

 13.7339, 17.7430,  
25.6359


136.4880,  
158.2672, 198.1713

 8.0163, 10.7656,  
16.3281

170.2273,  
196.0524, 243.1818

 4.1573, 5.9095,  
9.5998

209.1133,  
239.4183, 294.5386

 1.7915, 2.7901,  
5.0323

253.5115,

 0.5125, 1.0232,

288.7494, 352.6602

2.2072

303.7872,  
344.4300, 417.9652

■ 0.0000, 0.0000,  
0.6785

■ 0.0000, 0.0000,  
0.0000

■ 45.6920, 55.2462,  
73.2211

■ 45.6920, 55.2462,  
73.2211

■ 41.7491, 52.2904,  
72.8593

■ 50.3648, 58.5962,  
73.6224

■ 38.4891, 49.7007,  
72.5313

■ 55.8010, 62.3538,  
74.0611

■ 35.8677, 47.4552,  
72.2360

■ 62.0380, 66.5396,  
74.5404

■ 33.8329, 45.5273,  
71.9711

■ 69.1092, 71.1710,  
75.0616

■ 32.3243, 43.8856,  
71.7338

■ 77.0462, 76.2643,  
75.6264

■ 31.2684, 42.4923,  
71.5205

■ 79.9031, 78.7543,  
75.9564

■ 30.8272, 41.8226,  
71.4145

■ 80.5989, 80.1461,  
76.1884

■ 81.3054, 81.5591,  
76.4239

■ 82.0226, 82.9935,  
76.6630

# Harmonies

## Analogous

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



44.6271, 55.2462, 60.5194



45.6920, 55.2462, 73.2211



48.5664, 55.2462, 83.4465

# Triad

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



45.6920, 55.2462, 73.2211



60.1136, 55.2462, 72.5029



52.3825, 55.2462, 39.3470

# Complementary

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



45.6920, 55.2462, 73.2211



44.0338, 38.3354, 30.2793

# 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.



56.6612, 55.2462, 41.6570



45.6920, 55.2462, 73.2211



61.2701, 55.2462, 59.7895

# Square

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



45.6920, 55.2462, 73.2211



56.8937, 55.2462, 82.9934



59.9743, 55.2462, 48.7416



48.3572, 55.2462, 41.9433



# Rectangle

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



45.6920, 55.2462, 73.2211



51.2027, 55.2462, 86.8618



59.9743, 55.2462, 48.7416



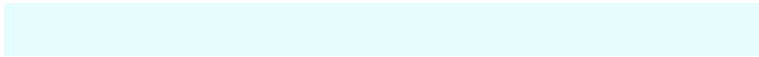
53.8391, 55.2462, 39.5722

# Sweetspot

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



45.6937, 55.2484, 73.2224



85.3147, 93.5439, 108.1670



41.0265, 56.9695, 37.5840



17.9890, 19.8393, 23.1312



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.



45.6937, 55.2484, 73.2224



62.0417, 77.1007, 106.2197



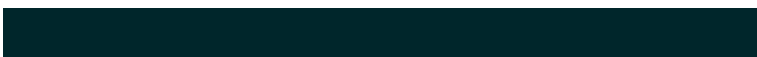
37.7083, 39.2778, 70.5606



12.6591, 13.8416, 15.9420



18.2991, 24.8600, 42.2871



1.1404, 1.5728, 2.5628



# Inverse Universe

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



49.1076, 38.1551, 63.8102



67.8639, 48.8283, 89.9713



50.9512, 52.1701, 32.5851



12.8859, 12.6059, 15.3393



22.2954, 10.8545, 29.9233

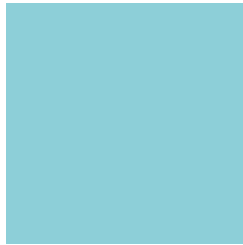


1.3633, 0.6621, 1.9023



# Previews

## White Background



This preview shows how the XYZ color 45.6920, 55.2462, 73.2211 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

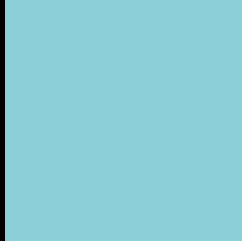
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.6920, 55.2462, 73.2211 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

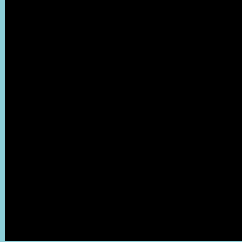
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.6920, 55.2462, 73.2211**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.6920, 55.2462, 73.2211.



This preview shows how white text looks on a background with the XYZ color 45.6920, 55.2462,



# 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

45.6920, 55.2462, 73.2211

### Protanopia

53.1826, 54.7397, 67.4373

### Deuteranopia

55.9603, 54.6907, 75.3171



## Tritanopia

46.7183, 55.3100, 78.0256

# Trichromacy



## Original Color

45.6920, 55.2462, 73.2211

## Protanomaly

49.8605, 54.6640, 69.5513

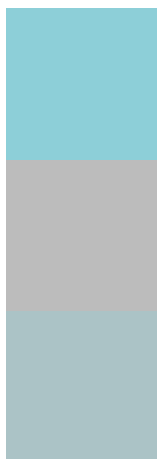
## Deuteranomaly

51.3485, 54.2976, 74.7920

## Tritanomaly

46.1449, 55.0607, 75.9058

# Monochromacy



## Original Color

45.6920, 55.2462, 73.2211

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

46.5027, 51.7654, 60.9668

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.6920, 55.2462, 73.2211 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(141, 207, 216)` looks like.

```
.text, #text, p{  
    color:rgb(141, 207, 216)  
}
```

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(141, 207, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 207, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 45.6920, 55.2462, 73.2211 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(141, 207, 216) }
```



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

```
.border{ border-color:rgb(141, 207, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 207, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 207, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 207, 216); box-shadow:4px 4px 4px 4px rgb(141, 207, 216) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.6920, 55.2462, 73.2211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 207, 216) }
```

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

```
.background{ background-color: rgb(141,  
207, 216) }
```

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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