

# Converting Colors

XYZ(52.5231, 66.1438, 92.0046)

Have a look what the booklet for  
XYZ(52.5231, 66.1438, 92.0046)  
contains.

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# Color

**XYZ(52.4091, 65.9955,  
91.6375)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83E3EF
RGB	131, 227, 239
RGB Percent	51%, 89%, 94%
CMY	0.4863, 0.1098, 0.0627
CMYK	0.45, 0.05, 0.00, 0.06
HSL	187°, 77%, 73%
HSV	187°, 45%, 94%
XYZ	52.4091, 65.9955, 91.6375
YIQ	199.6640, -61.0680, -16.6200

# Conversions

## Conversions Part 2

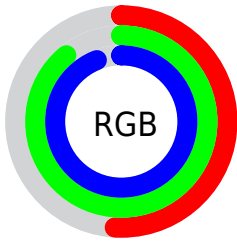
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 182, 239
Decimal	8643567
CIELab	84.99, -25.31, -14.70
CIELCh	85, 29.271, 210.148
Yxy	65.9955, 0.2495, 0.3142
Android (android.graphics.Color)	4286833647 (0xFF83E3EF)
YUV	199.6640, 19.3926, -60.2183
Hunter-Lab	81.2376, -27.0095, -10.0139

# Details

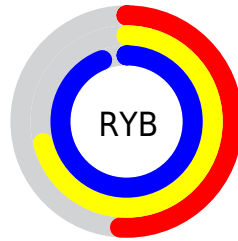
The XYZ color **52.4091, 65.9955, 91.6375** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **49.5169, 39.6353, 26.5148**, and the grayscale version is **54.6063, 57.4501, 62.5631**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **25.7087, 33.8843, 49.9851** is the 20% darker color. If you saturate the color by 10%, you get **48.4057, 62.8634, 91.2451**, and if you desaturate by 10%, it is **57.2815, 69.5952, 92.0767**.

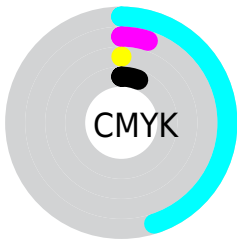
# Distribution



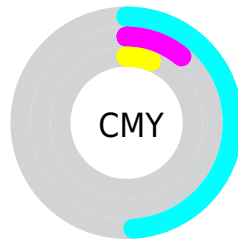
- Red (51%)
- Green (89%)
- Blue (94%)



- Red (51%)
- Yellow (71%)
- Blue (94%)



- Cyan (45%)
- Magenta (5%)
- Yellow (0%)
- Black (6%)



- Cyan (49%)
- Magenta (11%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4091, 65.9955, 91.6375 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 52.4091, 65.9955, 91.6375 by changing the saturation by 10% instead.



52.4091, 65.9955,  
91.6375

52.4091, 65.9955,  
91.6375

386.3120,  
446.3608, 554.0503

37.5569, 48.2687,  
68.7582

92.9050, 113.4799,  
151.5662

25.8146, 34.0398,  
50.0443

119.2793,  
144.0063, 189.4527

16.8169, 22.9241,  
35.0772

150.2250,  
179.5680, 233.1787

10.1985, 14.5375,  
23.4383

186.1075,  
220.5495, 283.1628

5.5941, 8.4954,  
14.7091

227.2920,  
267.3352, 339.8235

2.6382, 4.4136,  
8.4712

274.1441,

0.9654, 1.9075,

320.3093, 403.5792

4.3058

327.0290,  
379.8564, 474.8486

■ 0.0000, 0.5529,  
1.7946

■ 0.0000, 0.0000,  
0.4244

■ 52.4091, 65.9955,  
91.6375

■ 52.4091, 65.9955,  
91.6375

■ 48.4057, 62.8634,  
91.2451

■ 57.2815, 69.5952,  
92.0767

■ 45.2055, 60.1604,  
90.8920


■ 63.0706, 73.6828,  
92.5605


■ 42.7435, 57.8544,  
90.5767


■ 69.8280, 78.2862,  
93.0929


■ 40.9414, 55.9050,  
90.2954


■ 77.5995, 83.4293,  
93.6760


 39.7029, 54.2625,  
90.0437


 86.4282, 89.1343,  
94.3119

 39.2365, 53.5446,  
89.9297

 88.8512, 91.5541,  
94.6513

 89.6513, 93.1542,  
94.9179

 90.4629, 94.7775,  
95.1885

 91.2861, 96.4239,  
95.4629

# Harmonies

## Analogous

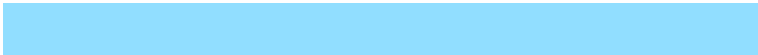
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.9054, 65.9955, 71.9516



52.4091, 65.9955, 91.6375



56.6370, 65.9955, 108.0921

# Triad

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



52.4091, 65.9955, 91.6375



74.3534, 65.9955, 91.4467



62.6940, 65.9955, 41.3706

# Complementary

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



52.4091, 65.9955, 91.6375



49.5169, 39.6353, 26.5148

# 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.



69.2381, 65.9955, 44.7881



52.4091, 65.9955, 91.6375



76.2496, 65.9955, 71.7642

# Square

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



52.4091, 65.9955, 91.6375



69.2986, 65.9955, 107.9691



74.3167, 65.9955, 55.1513



56.5841, 65.9955, 44.8565

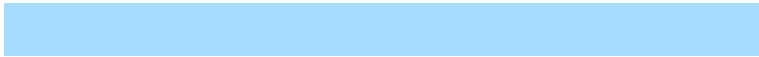


# Rectangle

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



52.4091, 65.9955, 91.6375



60.5866, 65.9955, 113.8006



74.3167, 65.9955, 55.1513



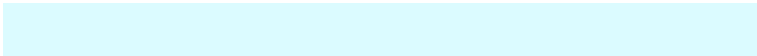
64.9167, 65.9955, 41.7414

# Sweetspot

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



52.4111, 65.9981, 91.6391



81.8616, 91.3423, 107.9240



45.0954, 68.5066, 36.3604



17.1318, 19.2894, 23.0702



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.



52.4111, 65.9981, 91.6391



56.4991, 73.1680, 105.7528



40.1163, 41.4084, 87.5408



16.0887, 17.6115, 20.2730



21.7432, 29.7107, 49.7166



1.8512, 2.5564, 4.1501



# Inverse Universe

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



57.5797, 40.1310, 77.3872



63.3203, 40.3262, 86.6531



59.3896, 59.3806, 29.8057



16.3742, 15.9994, 19.5267



26.3006, 12.7927, 35.8291

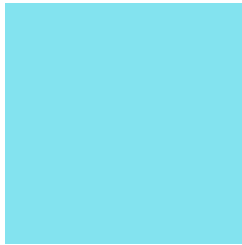


2.2094, 1.0728, 3.0933



# Previews

## White Background



This preview shows how the XYZ color 52.4091, 65.9955, 91.6375 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

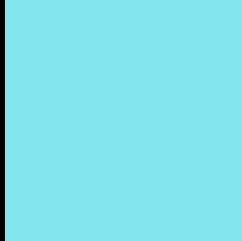
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.4091, 65.9955, 91.6375 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

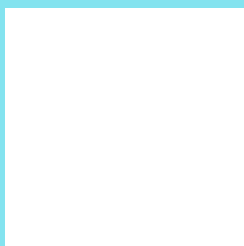
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 52.4091, 65.9955, 91.6375

## Background



This preview shows how black text looks on a background with the XYZ color 52.4091, 65.9955, 91.6375.



This preview shows how white text looks on a background with the XYZ color 52.4091, 65.9955,



# 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

52.4091, 65.9955, 91.6375

### Protanopia

63.6285, 65.3963, 82.6679

### Deuteranopia

66.7193, 65.2732, 94.6704



## Tritanopia

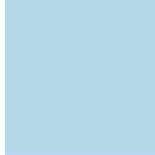
53.1984, 65.9109, 95.5062

# Trichromacy



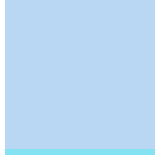
## Original Color

52.4091, 65.9955, 91.6375



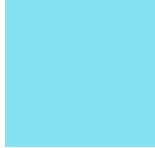
## Protanomaly

58.1774, 64.7617, 85.7779



## Deuteranomaly

60.0812, 64.8182, 93.3490



## Tritanomaly

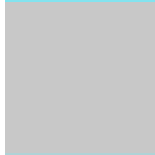
52.7391, 65.7091, 93.9079

# Monochromacy



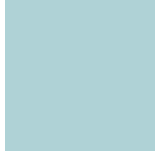
## Original Color

52.4091, 65.9955, 91.6375



## Achromatopsia

54.8990, 57.7580, 62.8985



## Achromatomaly

52.8634, 60.0622, 72.4253

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.4091, 65.9955, 91.6375 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(131, 227, 239)` looks like.

```
.text, #text, p{  
    color:rgb(131, 227, 239)  
}
```

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(131, 227, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 227, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 52.4091, 65.9955, 91.6375 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(131, 227, 239) }
```



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

```
.border{ border-color:rgb(131, 227, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 227, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 227, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 227, 239);  
box-shadow:4px 4px 4px 4px rgb(131, 227,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.4091, 65.9955, 91.6375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 227, 239) }
```

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

```
.background{ background-color: rgb(131,  
227, 239) }
```

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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