

# Converting Colors

XYZ(45.3654, 65.6471, 91.3427)

Have a look what the booklet for  
XYZ(45.3654, 65.6471, 91.3427)  
contains.

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# Color

**XYZ(45.3721, 65.7089,  
91.1806)**

# Conversions

## Conversions Part 1

Format	Color
Hex	11EBEE
RGB	17, 235, 238
RGB Percent	7%, 92%, 93%
CMY	0.9332, 0.0784, 0.0667
CMYK	0.93, 0.01, 0.00, 0.07
HSL	181°, 87%, 50%
HSV	181°, 93%, 93%
XYZ	45.3721, 65.7089, 91.1806
YIQ	170.1600, -130.8910, -45.2830

# Conversions

## Conversions Part 2

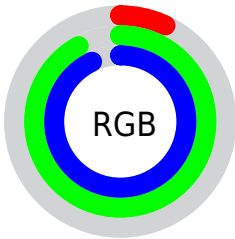
Format	Color
R <sub>Y</sub> B	17, 127, 238
Decimal	1174510
CIE Lab	84.85, -43.92, -14.64
CIE LCh	85, 46.295, 198.434
Yxy	65.7089, 0.2243, 0.3249
Android (android.graphics.Color)	4279364590 (0xFF11EBEE)
YUV	170.1600, 33.4451, -134.3213
Hunter-Lab	81.0610, -41.9454, -9.9490

# Details

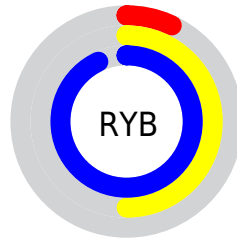
The XYZ color **45.3721, 65.7089, 91.1806** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **35.6128, 18.7198, 2.2684**, and the grayscale version is **38.1808, 40.1692, 43.7442**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **24.3639, 35.2182, 49.7696** is the 20% darker color. If you saturate the color by 10%, you get **45.0760, 65.4594, 91.1493**, and if you desaturate by 10%, it is **46.1430, 66.2451, 91.2447**.

# Distribution



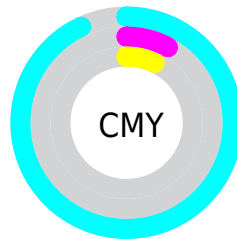
- Red (7%)
- Green (92%)
- Blue (93%)



- Red (7%)
- Yellow (50%)
- Blue (93%)



- Cyan (93%)
- Magenta (1%)
- Yellow (0%)
- Black (7%)



- Cyan (93%)
- Magenta (8%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3721, 65.7089, 91.1806 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 45.3721, 65.7089, 91.1806 by changing the saturation by 10% instead.



45.3721, 65.7089,  
91.1806

45.3721, 65.7089,  
91.1806

359.0369,  
445.3351, 552.5327

31.9531, 48.0361,  
68.3810

82.5121, 113.0684,  
150.9270

21.4811, 33.8555,  
49.7392

106.9639,  
143.5240, 188.7110

13.5906, 22.7826,  
34.8365

135.8240,  
179.0092, 232.3268

7.9162, 14.4331,  
23.2544

169.4578,  
219.9086, 282.1930

4.0928, 8.4225,  
14.5744

208.2307,  
266.6065, 338.7282

1.7547, 4.3665,  
8.3779

252.5079,

0.4902, 1.8806,

319.4873, 402.3508

4.2465

302.6548,  
378.9353, 473.4795

■ 0.0000, 0.5367,  
1.7615

■ 0.0000, 0.0000,  
0.4024

■ 45.3721, 65.7089,  
91.1806

■ 45.3721, 65.7089,  
91.1806

■ 45.0760, 65.4594,  
91.1493

■ 46.1430, 66.2451,  
91.2447

■ 47.4839, 67.0740,  
91.3340

■ 49.4870, 68.2445,  
91.4544

■ 52.2266, 69.7950,  
91.6092

■ 55.7672, 71.7586,  
91.8017

■ 60.1662, 74.1650,  
92.0343

■ 65.4758, 77.0411,  
92.3096

■ 71.7440, 80.4116,  
92.6298

■ 79.0155, 84.2996,  
92.9970

# Harmonies

## Analogous

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



44.8740, 65.7089, 60.6885



45.3721, 65.7089, 91.1806



50.1284, 65.7089, 123.3864

# Triad

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



45.3721, 65.7089, 91.1806



78.6052, 65.7089, 116.5551



66.5412, 65.7089, 28.8927

# Complementary

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



45.3721, 65.7089, 91.1806



35.6128, 18.7198, 2.2684

# 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.



76.6513, 65.7089, 36.7404



45.3721, 65.7089, 91.1806



84.1142, 65.7089, 83.6265

# Square

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



45.3721, 65.7089, 91.1806



68.9790, 65.7089, 140.6087



83.3619, 65.7089, 54.9538



56.3547, 65.7089, 29.8716



# Rectangle

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



45.3721, 65.7089, 91.1806



55.4030, 65.7089, 138.9390



83.3619, 65.7089, 54.9538



70.0799, 65.7089, 30.4725

# Sweetspot

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



45.3741, 65.7113, 91.1822



73.1732, 88.2644, 107.7878



30.9085, 61.3101, 10.7371



15.1110, 18.5931, 23.0423



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.



45.3741, 65.7113, 91.1822



52.7161, 76.5522, 106.6054



23.3219, 21.6069, 83.8314



16.2279, 17.8900, 20.3194



25.1558, 36.5359, 50.8542



2.0986, 3.0512, 4.2325



# Inverse Universe

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



50.4574, 24.5780, 80.6845



58.7379, 28.2591, 94.0724



43.0190, 33.5322, 4.7371



16.4445, 16.0275, 19.8969



28.0231, 13.4817, 44.8998

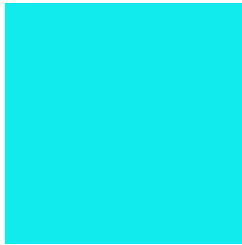


2.3342, 1.1227, 3.7508



# Previews

## White Background



This preview shows how the XYZ color 45.3721, 65.7089, 91.1806 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

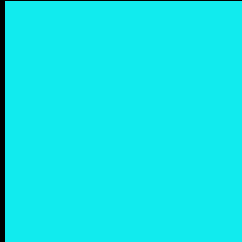
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.3721, 65.7089, 91.1806 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

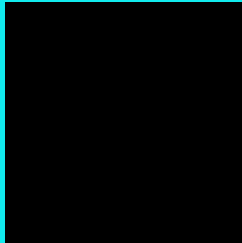
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 45.3721, 65.7089, 91.1806

## Background



This preview shows how black text looks on a background with the XYZ color 45.3721, 65.7089, 91.1806.



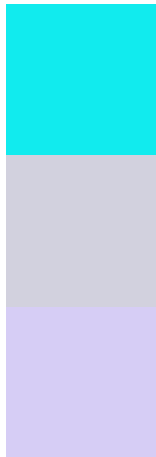
This preview shows how white text looks on a background with the XYZ color 45.3721, 65.7089,



# 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

45.3721, 65.7089, 91.1806

### Protanopia

62.5636, 64.5765, 78.2743

### Deuteranopia

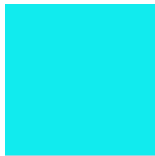
66.0443, 64.5514, 95.3649



## Tritanopia

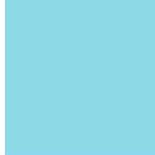
47.6644, 65.7983, 102.2836

# Trichromacy



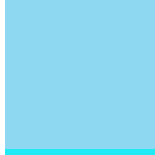
## Original Color

45.3721, 65.7089, 91.1806



## Protanomaly

49.8902, 61.3197, 82.6052



## Deuteranomaly

51.7382, 61.2733, 93.1044



## Tritanomaly

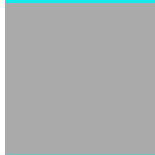
46.8385, 65.8844, 98.2440

# Monochromacy



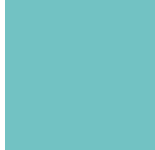
## Original Color

45.3721, 65.7089, 91.1806



## Achromatopsia

38.2080, 40.1978, 43.7754



## Achromatomaly

36.0815, 46.1011, 58.6265

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.3721, 65.7089, 91.1806 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(17, 235, 238)` looks like.

```
.text, #text, p{  
    color:rgb(17, 235, 238)  
}
```

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(17, 235, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 235, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 45.3721, 65.7089, 91.1806 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(17, 235, 238) }
```



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

```
.border{ border-color:rgb(17, 235, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 235, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 235, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 235, 238);  
box-shadow:4px 4px 4px 4px rgb(17, 235,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.3721, 65.7089, 91.1806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 235, 238) }
```

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

```
.background{ background-color: rgb(17, 235,  
238) }
```

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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