

# Converting Colors

XYZ(48.2518, 65.5968,  
104.7261)

Have a look what the booklet for  
XYZ(48.2518, 65.5968, 104.7261)  
contains.

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# Color

**XYZ(48.2719, 65.6370,  
104.7328)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33E8FF
RGB	51, 232, 255
RGB Percent	20%, 91%, 100%
CMY	0.7999, 0.0902, 0.0000
CMYK	0.80, 0.09, 0.00, 0.00
HSL	187°, 100%, 60%
HSV	187°, 80%, 100%
XYZ	48.2719, 65.6370, 104.7328
YIQ	180.5030, -115.2590, -31.2190

# Conversions

## Conversions Part 2

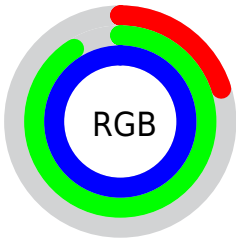
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 147, 255
Decimal	3401983
CIELab	84.81, -35.61, -23.61
CIELCh	85, 42.726, 213.552
Yxy	65.6370, 0.2208, 0.3002
Android (android.graphics.Color)	4281592063 (0xFF33E8FF)
YUV	180.5030, 36.7270, -113.5741
Hunter-Lab	81.0167, -35.4241, -19.9344

# Details

The XYZ color **48.2719, 65.6370, 104.7328** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.2879, 26.3990, 5.8956**, and the grayscale version is **43.5096, 45.7755, 49.8495**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **25.7184, 35.1279, 58.8509** is the 20% darker color. If you saturate the color by 10%, you get **46.5186, 63.5429, 104.4210**, and if you desaturate by 10%, it is **50.7454, 68.1247, 105.0826**.

# Distribution



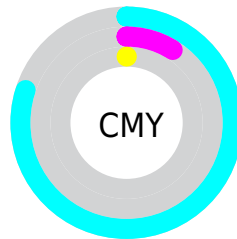
- Red (20%)
- Green (91%)
- Blue (100%)



- Red (20%)
- Yellow (58%)
- Blue (100%)



- Cyan (80%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (9%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2719, 65.6370, 104.7328 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 48.2719, 65.6370, 104.7328 by changing the saturation by 10% instead.





 48.2719, 65.6370,  
104.7328


 48.2719, 65.6370,  
104.7328


370.4335,  
445.0775, 596.6380


 34.2544, 47.9778,  
79.6201


 86.8163, 112.9652,  
169.7545


 23.2529, 33.8093,  
58.8815

 112.0740,  
143.4029, 210.5005

 14.9021, 22.7471,  
42.0983


 141.8091,  
178.8690, 257.2948

 8.8366, 14.4069,  
28.8521

 176.3870,  
219.7477, 310.5558

 4.6910, 8.4042,  
18.7244

216.1730,  
266.4236, 370.7021

 2.1000, 4.3547,  
11.2965

261.5326,

 0.6892, 1.8739,

319.2809, 438.1522

6.1500

312.8309,  
378.7041, 513.3246

■ 0.0000, 0.5326,  
2.8662

■ 0.0000, 0.0000,  
1.0267

■ 48.2719, 65.6370,  
104.7328

■ 48.2719, 65.6370,  
104.7328

■ 46.5186, 63.5429,  
104.4210

■ 50.7454, 68.1247,  
105.0826

■ 45.3155, 61.7507,  
104.1384

■ 54.0344, 71.0512,  
105.4741

■ 45.3147, 61.7493,  
104.1382

■ 58.2253, 74.4625,  
105.9116

■ 63.3919, 78.3968,  
106.3987

■ 69.6004, 82.8881,  
106.9384

■ 76.9112, 87.9678,  
107.5336

■ 85.3798, 93.6646,  
108.1868

■ 95.0500, 100.0000,  
108.9000

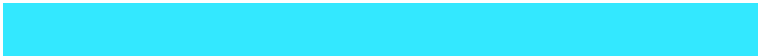
# Harmonies

## Analogous

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



45.7623, 65.6370, 74.7823



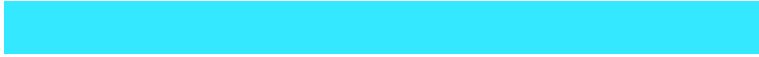
48.2719, 65.6370, 104.7328



54.5433, 65.6370, 129.8023

# Triad

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



48.2719, 65.6370, 104.7328



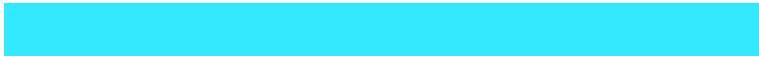
80.3556, 65.6370, 97.6051



61.2529, 65.6370, 30.7154

# Complementary

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



48.2719, 65.6370, 104.7328



44.2879, 26.3990, 5.8956

# 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.



70.9466, 65.6370, 33.9036



48.2719, 65.6370, 104.7328



82.6147, 65.6370, 68.2522

# Square

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



48.2719, 65.6370, 104.7328



73.1196, 65.6370, 125.0026



79.0136, 65.6370, 46.1171



52.7578, 65.6370, 35.9285

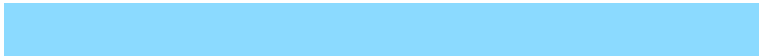


# Rectangle

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



48.2719, 65.6370, 104.7328



60.3420, 65.6370, 137.6713



79.0136, 65.6370, 46.1171



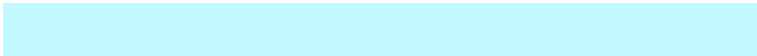
64.4757, 65.6370, 30.8478

# Sweetspot

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



48.2737, 65.6393, 104.7331



73.8451, 85.8593, 107.2882



38.2771, 72.6847, 18.0440



15.2553, 17.9937, 22.9190



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

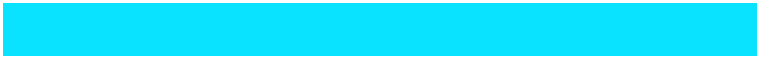


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.2737, 65.6393, 104.7331



45.7566, 62.4436, 104.2489



27.7508, 24.5934, 97.8921



18.3697, 20.1110, 23.1636



23.7479, 32.4053, 54.4378



2.3599, 3.2505, 5.3163



# Inverse Universe

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



56.9906, 29.4558, 79.0280



55.2713, 27.0496, 75.2715



56.8599, 51.5431, 10.0863



18.6993, 18.2630, 22.2994



28.7750, 13.9993, 39.0613

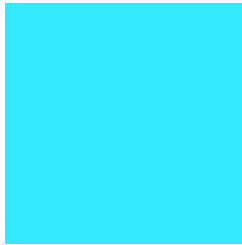


2.8258, 1.3727, 3.9300



# Previews

## White Background



This preview shows how the XYZ color 48.2719, 65.6370, 104.7328 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

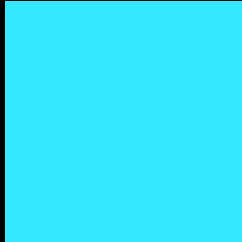
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.2719, 65.6370, 104.7328 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

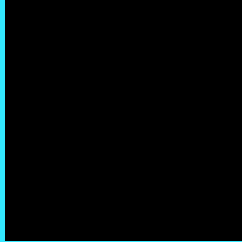
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 48.2719, 65.6370, 104.7328

## Background



This preview shows how black text looks on a background with the XYZ color 48.2719, 65.6370, 104.7328.



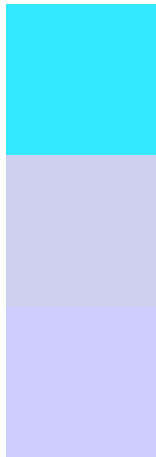
This preview shows how white text looks on a background with the XYZ color 48.2719, 65.6370,



# 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

48.2719, 65.6370, 104.7328

### Protanopia

63.3127, 64.3229, 90.7400

### Deuteranopia

65.2981, 64.3417, 103.5854



## Tritanopia

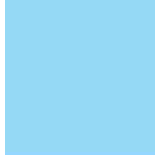
47.7238, 65.8472, 101.4613

# Trichromacy



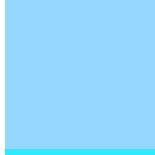
## Original Color

48.2719, 65.6370, 104.7328



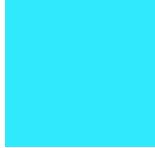
## Protanomaly

53.6887, 62.6078, 95.6410



## Deuteranomaly

54.7449, 62.2104, 103.7302



## Tritanomaly

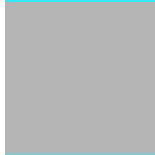
47.9285, 65.9345, 102.2960

# Monochromacy



## Original Color

48.2719, 65.6370, 104.7328



## Achromatopsia

43.9204, 46.2077, 50.3202



## Achromatomaly

41.8710, 50.9310, 67.2983

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.2719, 65.6370, 104.7328 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(51, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 232, 255)  
}
```

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(51, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 232, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 48.2719, 65.6370, 104.7328 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(51, 232, 255) }
```



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

```
.border{ border-color:rgb(51, 232, 255) }
```

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

Here you see how a box with a 4 pixel rgb(51, 232, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 232,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.2719, 65.6370, 104.7328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 232, 255) }
```

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

```
.background{ background-color: rgb(51, 232,  
255) }
```

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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