

Converting Colors

XYZ(45.4001, 59.8936,
103.7755)

Have a look what the booklet for
XYZ(45.4001, 59.8936, 103.7755)
contains.

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Color

**XYZ(45.2717, 59.6367,
103.7327)**

Conversions

Conversions Part 1

Format	Color
Hex	33DDFF
RGB	51, 221, 255
RGB Percent	20%, 87%, 100%
CMY	0.7999, 0.1333, 0.0000
CMYK	0.80, 0.13, 0.00, 0.00
HSL	190°, 100%, 60%
HSV	190°, 80%, 100%
XYZ	45.2717, 59.6367, 103.7327
YIQ	174.0460, -112.2340, -25.4660

Conversions

Conversions Part 2

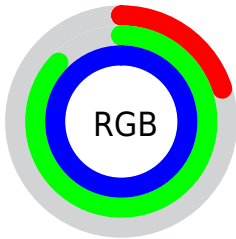
Format	Color
RYB	51, 144, 255
Decimal	3399167
CIELab	81.64, -30.38, -28.45
CIELCh	82, 41.624, 223.118
Yxy	59.6367, 0.2170, 0.2858
Android (android.graphics.Color)	4281589247 (0xFF33DDFF)
YUV	174.0460, 39.9103, -107.9113
Hunter-Lab	77.2248, -30.5009, -25.5843

Details

The XYZ color **45.2717, 59.6367, 103.7327** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **45.0877, 27.9987, 6.1621**, and the grayscale version is **40.1020, 42.1905, 45.9454**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **23.8293, 31.3497, 58.2212** is the 20% darker color. If you saturate the color by 10%, you get **43.2130, 56.9317, 103.3191**, and if you desaturate by 10%, it is **48.0656, 62.7652, 104.1893**.

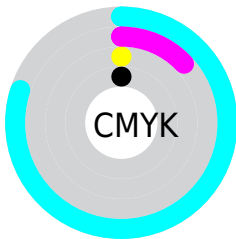
Distribution



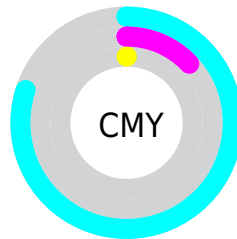
- Red (20%)
- Green (87%)
- Blue (100%)



- Red (20%)
- Yellow (56%)
- Blue (100%)



- Cyan (80%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2717, 59.6367, 103.7327 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 45.2717, 59.6367, 103.7327 by changing the saturation by 10% instead.

45.2717, 59.6367,
103.7327

45.2717, 59.6367,
103.7327

358.6380,
423.2574, 593.4435

31.8737, 43.1259,
78.7873

82.3625, 104.3025,
168.3738

21.4201, 29.9839,
58.2007

106.7861,
133.2262, 208.9067

13.5456, 19.8264,
41.5542

135.6155,
167.0564, 255.4724

7.8849, 12.2689,
28.4294

169.2161,
206.1774, 308.4896

4.0726, 6.9271,
18.4078

207.9533,
250.9735, 368.3767

1.7433, 3.4165,
11.0707

252.1925,

0.4831, 1.3529,

301.8294, 435.5524

5.9996

302.2989,
359.1292, 510.4352

■ 0.0000, 0.1816,
2.7761

■ 0.0000, 0.0000,
0.9815

■ 45.2717, 59.6367,
103.7327

■ 45.2717, 59.6367,
103.7327

■ 43.2130, 56.9317,
103.3191

■ 48.0656, 62.7652,
104.1893

■ 41.7196, 54.5589,
102.9398

■ 51.6904, 66.3633,
104.6928

■ 41.7186, 54.5572,
102.9395

■ 56.2325, 70.4771,
105.2474

■ 61.7659, 75.1450,
105.8568

■ 68.3570, 80.4015,
106.5240

■ 76.0661, 86.2781,
107.2520

■ 84.9491, 92.8038,
108.0434

■ 95.0500, 100.0000,
108.9000

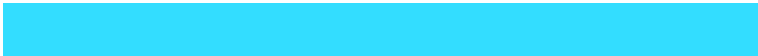
Harmonies

Analogous

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



41.8308, 59.6367, 76.4910



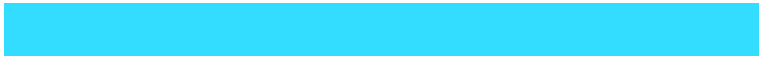
45.2717, 59.6367, 103.7327



51.9380, 59.6367, 122.7886

Triad

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



45.2717, 59.6367, 103.7327



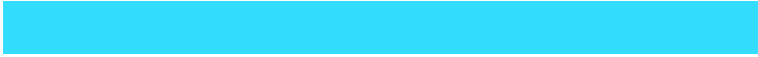
74.3472, 59.6367, 79.9494



52.9509, 59.6367, 28.4148

Complementary

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



45.2717, 59.6367, 103.7327



45.0877, 27.9987, 6.1621

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.



61.7083, 59.6367, 28.8892



45.2717, 59.6367, 103.7327



74.6902, 59.6367, 54.6044

Square

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



45.2717, 59.6367, 103.7327



68.9727, 59.6367, 106.8190



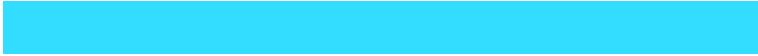
69.8666, 59.6367, 37.2631



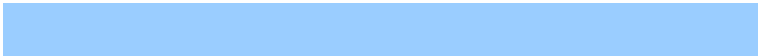
45.9473, 59.6367, 35.7399

Rectangle

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



45.2717, 59.6367, 103.7327



57.6027, 59.6367, 125.8790



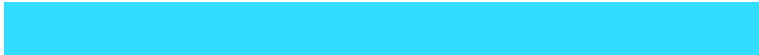
69.8666, 59.6367, 37.2631



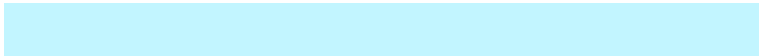
55.7729, 59.6367, 27.7368

Sweetspot

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



45.2734, 59.6388, 103.7330



72.8387, 83.8467, 106.9528



38.7665, 72.8804, 20.6218



15.0096, 17.5024, 22.8372



0.0000, 0.0000, 0.0000



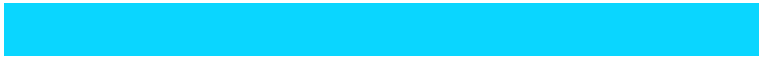
20.3446, 21.4041, 23.3091

Same Dimension

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



45.2734, 59.6388, 103.7330



42.2748, 55.4801, 103.0884



26.0145, 21.1210, 97.3134



18.2820, 19.9356, 23.1343



21.8942, 28.6980, 53.8199



2.1971, 2.9249, 5.2620

Inverse Universe

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



55.4762, 28.8499, 71.0533



53.5138, 26.3467, 66.0171



59.6096, 57.0425, 11.0027



18.6550, 18.2453, 22.0663



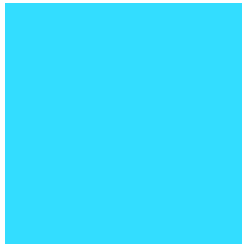
27.8394, 13.6250, 34.1343



2.7436, 1.3398, 3.4973

Previews

White Background



This preview shows how the XYZ color 45.2717, 59.6367, 103.7327 looks on a white background.

Color Contrast Check

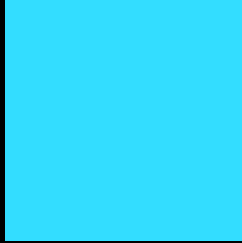
Large Text (above 18pt) WCAG AA × Fail

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 45.2717, 59.6367, 103.7327 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 45.2717, 59.6367, 103.7327

Background



This preview shows how black text looks on a background with the XYZ color 45.2717, 59.6367, 103.7327.

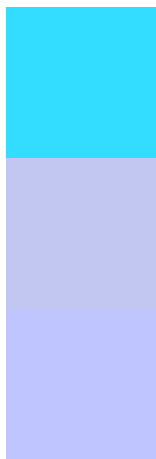


This preview shows how white text looks on a background with the XYZ color 45.2717, 59.6367,

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

45.2717, 59.6367, 103.7327

Protanopia

58.1439, 58.4756, 90.6605

Deuteranopia

59.7299, 58.6845, 102.7869



Tritanopia

42.9580, 59.4836, 92.4364

Trichromacy



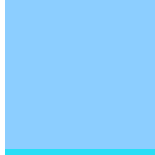
Original Color

45.2717, 59.6367, 103.7327



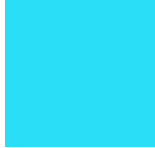
Protanomaly

49.7788, 56.8809, 94.7417



Deuteranomaly

50.9365, 56.9381, 102.9132



Tritanomaly

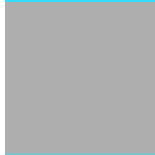
43.6703, 59.3678, 96.3462

Monochromacy



Original Color

45.2717, 59.6367, 103.7327



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

38.4636, 46.2405, 63.3980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2717, 59.6367, 103.7327 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, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 221, 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, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 221, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.2717, 59.6367, 103.7327 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, 221, 255) }
```


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

```
.border{ border-color:rgb(51, 221, 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, 221, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 221,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2717, 59.6367, 103.7327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 221, 255) }
```

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

```
.background{ background-color: rgb(51, 221,  
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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