

# Converting Colors

XYZ(52.7733, 78.4551, 95.6472)

Have a look what the booklet for  
XYZ(52.7733, 78.4551, 95.6472)  
contains.

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# Color

**XYZ(52.7639, 78.4517,  
95.5808)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2EFFF1
RGB	46, 255, 241
RGB Percent	18%, 100%, 95%
CMY	0.8195, 0.0000, 0.0549
CMYK	0.82, 0.00, 0.05, 0.00
HSL	176°, 100%, 59%
HSV	176°, 82%, 100%
XYZ	52.7639, 78.4517, 95.5808
YIQ	190.9130, -120.0700, -48.6620

# Conversions

## Conversions Part 2

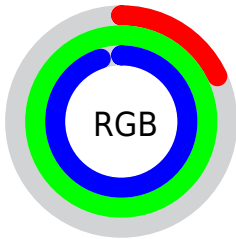
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 154, 255
Decimal	3080177
CIELab	90.99, -50.21, -7.04
CIELCh	91, 50.705, 187.982
Yxy	78.4517, 0.2326, 0.3459
Android (android.graphics.Color)	4281270257 (0xFF2EFFF1)
YUV	190.9130, 24.6929, -127.0887
Hunter-Lab	88.5730, -48.6683, -1.9799

# Details

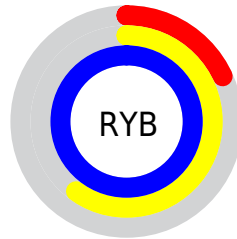
The XYZ color **52.7639, 78.4517, 95.5808** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.0338, 23.5419, 6.5532**, and the grayscale version is **49.3850, 51.9569, 56.5810**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **28.7232, 43.4353, 52.7689** is the 20% darker color. If you saturate the color by 10%, you get **51.6826, 77.9236, 94.2058**, and if you desaturate by 10%, it is **54.5306, 79.3328, 97.0032**.

# Distribution



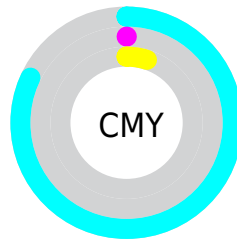
- Red (18%)
- Green (100%)
- Blue (95%)



- Red (18%)
- Yellow (60%)
- Blue (100%)



- Cyan (82%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (82%)
- Magenta (0%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7639, 78.4517, 95.5808 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 52.7639, 78.4517, 95.5808 by changing the saturation by 10% instead.





 52.7639, 78.4517,  
95.5808


 52.7639, 78.4517,  
95.5808


387.6543,  
489.6995, 567.0544

 37.8410, 58.4451,  
72.0189


 93.4244, 131.1867,  
157.0692


 26.0360, 42.1666,  
52.6872


 119.8928,  
164.6839, 195.8329

 16.9834, 29.2318,  
37.1671


 150.9404,  
203.4467, 240.5008

 10.3179, 19.2562,  
25.0401

 186.9326,  
247.8596, 291.4916

 5.6741, 11.8556,  
15.8876

228.2348,  
298.3069, 349.2239

 2.6867, 6.6454,  
9.2912

275.2122,

 0.9903, 3.2413,

355.1731, 414.1161

4.8322

328.2303,  
418.8425, 486.5867

■ 0.0000, 1.2590,  
2.0921

■ 0.0000, 0.1091,  
0.6111

■ 52.7639, 78.4517,  
95.5808

■ 52.7639, 78.4517,  
95.5808

■ 51.6826, 77.9236,  
94.2058


■ 54.5306, 79.3328,  
97.0032


■ 51.1808, 77.6883,  
93.1246


■ 57.0845, 80.6195,  
98.4735


■ 60.5136, 82.3571,  
99.9973


■ 64.8937, 84.5847,  
101.5782

 70.2921, 87.3369,  
103.2194

 76.7703, 90.6455,  
104.9238

 84.3845, 94.5395,  
106.6941

 93.1874, 99.0460,  
108.5327

 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.



54.0088, 78.4517, 61.6401



52.7639, 78.4517, 95.5808



56.8107, 78.4517, 136.5193

# Triad

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



52.7639, 78.4517, 95.5808



90.7505, 78.4517, 153.8420



84.1724, 78.4517, 35.3441

# Complementary

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



52.7639, 78.4517, 95.5808



43.0338, 23.5419, 6.5532

# 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.



95.6817, 78.4517, 48.9893



52.7639, 78.4517, 95.5808



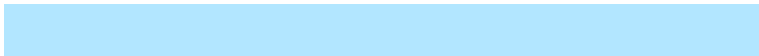
99.7719, 78.4517, 114.6439

# Square

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



52.7639, 78.4517, 95.5808



78.0340, 78.4517, 175.8938



101.6727, 78.4517, 76.0071



71.2023, 78.4517, 32.9276



# Rectangle

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



52.7639, 78.4517, 95.5808



62.2708, 78.4517, 160.1496



101.6727, 78.4517, 76.0071



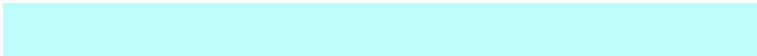
88.3816, 78.4517, 38.5327

# Sweetspot

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



52.7650, 78.4523, 95.5823



74.6788, 89.5768, 104.3977



38.3312, 72.7885, 14.6160



15.4957, 18.9235, 22.2171



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.



52.7650, 78.4523, 95.5823



51.2948, 77.7413, 93.3921



33.1663, 35.7787, 99.7657



18.4992, 20.4592, 22.9319



26.7655, 40.6028, 48.7776



2.6213, 3.9594, 4.8293



# Inverse Universe

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



43.0338, 23.5419, 6.5532



41.4386, 21.4280, 2.7029



50.1340, 38.2583, 7.3290



18.0587, 18.0068, 18.9264



21.6202, 11.1374, 1.3846

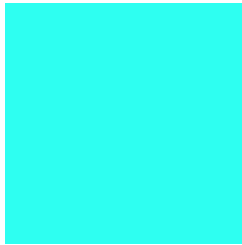


2.1215, 1.0910, 0.2214



# Previews

## White Background



This preview shows how the XYZ color 52.7639, 78.4517, 95.5808 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

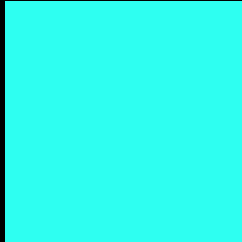
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.7639, 78.4517, 95.5808 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

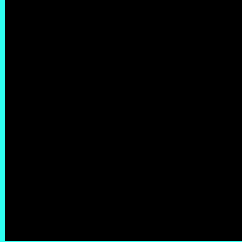
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 52.7639, 78.4517, 95.5808

## Background



This preview shows how black text looks on a background with the XYZ color 52.7639, 78.4517, 95.5808.



This preview shows how white text looks on a background with the XYZ color 52.7639, 78.4517,



# Color Blindness Simulation

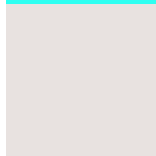
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



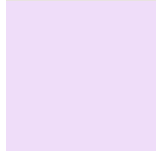
### Original Color

52.7639, 78.4517, 95.5808



### Protanopia

73.9296, 76.9303, 81.4735



### Deuteranopia

78.5519, 76.9032, 100.3262



## Tritanopia

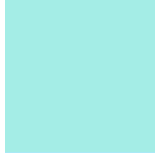
63.5124, 77.7922, 106.2757

# Trichromacy



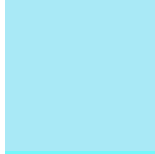
## Original Color

52.7639, 78.4517, 95.5808



## Protanomaly

59.8770, 74.1741, 86.0241



## Deuteranomaly

62.1357, 73.3667, 98.0751



## Tritanomaly

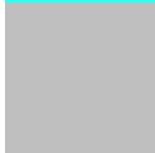
57.7185, 77.1367, 102.2893

# Monochromacy



## Original Color

52.7639, 78.4517, 95.5808



## Achromatopsia

49.5206, 52.0996, 56.7364



## Achromatomaly

46.0364, 58.0999, 69.1096

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.7639, 78.4517, 95.5808 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(46, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(46, 255, 241)  
}
```

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(46, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 255, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 52.7639, 78.4517, 95.5808 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(46, 255, 241) }
```



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

```
.border{ border-color:rgb(46, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(46, 255,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.7639, 78.4517, 95.5808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 255, 241) }
```

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

```
.background{ background-color: rgb(46, 255,  
241) }
```

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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