

Converting Colors

XYZ(52.4053, 69.8049, 89.7117)

Have a look what the booklet for
XYZ(52.4053, 69.8049, 89.7117)
contains.

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Color

**XYZ(52.4719, 69.8289,
90.0697)**

Conversions

Conversions Part 1

Format	Color
Hex	75ECEC
RGB	117, 236, 236
RGB Percent	46%, 93%, 93%
CMY	0.5412, 0.0745, 0.0745
CMYK	0.50, 0.00, 0.00, 0.07
HSL	180°, 76%, 69%
HSV	180°, 50%, 93%
XYZ	52.4719, 69.8289, 90.0697
YIQ	200.4190, -70.9240, -25.2280

Conversions

Conversions Part 2

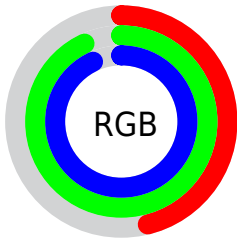
Format	Color
RYB	117, 177, 236
Decimal	7728364
CIELab	86.91, -33.42, -10.31
CIELCh	87, 34.972, 197.145
Yxy	69.8289, 0.2471, 0.3288
Android (android.graphics.Color)	4285918444 (0xFF75ECEC)
YUV	200.4190, 17.5414, -73.1585
Hunter-Lab	83.5637, -34.1515, -5.4116

Details

The XYZ color **52.4719, 69.8289, 90.0697** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.1666, 31.8420, 20.6503**, and the grayscale version is **55.0864, 57.9552, 63.1132**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **25.8749, 36.6159, 48.8838** is the 20% darker color. If you saturate the color by 10%, you get **49.6924, 68.3976, 89.9409**, and if you desaturate by 10%, it is **56.0548, 71.6776, 90.2392**.

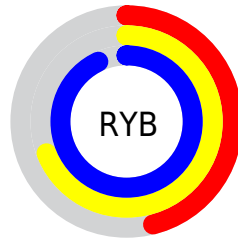
Distribution



Red (46%)

Green (93%)

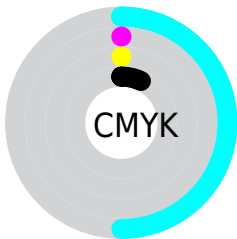
Blue (93%)



Red (46%)

Yellow (69%)

Blue (93%)

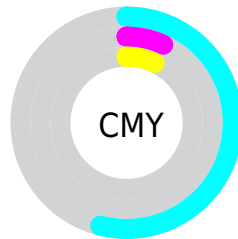


Cyan (50%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (54%)


Magenta (7%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4719, 69.8289, 90.0697 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 52.4719, 69.8289, 90.0697 by changing the saturation by 10% instead.


 52.4719, 69.8289,
90.0697


 52.4719, 69.8289,
90.0697


386.5498,
459.9490, 548.8335


 37.6071, 51.3871,
67.4644


 92.9969, 118.9647,
149.3716

 25.8538, 36.5167,
48.9982


 119.3879,
150.4275, 186.9052

 16.8464, 24.8335,
34.2524


 150.3517,
186.9994, 230.2521

 10.2196, 15.9531,
22.8087

186.2536,
229.0647, 279.8307

 5.6082, 9.4910,
14.2483

227.4590,
277.0080, 336.0596

 2.6467, 5.0628,
8.1529

274.3333,

 0.9698, 2.2841,

331.2135, 399.3574

4.1037

327.2418,
392.0657, 470.1425

■ 0.0000, 0.7653,
1.6824

■ 0.0000, 0.0000,
0.3486

■ 52.4719, 69.8289,
90.0697

■ 52.4719, 69.8289,
90.0697

■ 49.6924, 68.3976,
89.9409

■ 56.0548, 71.6776,
90.2392

■ 47.6487, 67.3441,
89.8449


■ 60.4897, 73.9638,
90.4471


■ 46.2729, 66.6348,
89.7802


■ 65.8288, 76.7162,
90.6973

■ 45.4812, 66.2267,
89.7428


■ 72.1181, 79.9585,
90.9919


 45.1368, 66.0492,
89.7264

 79.4008, 83.7129,
91.3330

 86.3775, 87.3094,
91.6599

 86.3775, 87.3095,
91.6602

 86.3776, 87.3095,
91.6605

 86.3776, 87.3095,
91.6608

Harmonies

Analogous

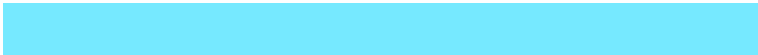
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.2123, 69.8289, 66.4619



52.4719, 69.8289, 90.0697



56.2559, 69.8289, 113.9799

Triad

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



52.4719, 69.8289, 90.0697



78.5558, 69.8289, 110.8910



69.9243, 69.8289, 40.0845

Complementary

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



52.4719, 69.8289, 90.0697



44.1666, 31.8420, 20.6503

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.



77.6296, 69.8289, 47.6074



52.4719, 69.8289, 90.0697



82.8809, 69.8289, 86.4789

Square

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



52.4719, 69.8289, 90.0697



71.1062, 69.8289, 127.5895



82.5287, 69.8289, 63.5340



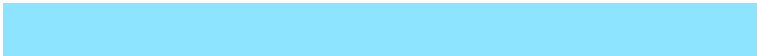
61.8494, 69.8289, 40.6557

Rectangle

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



52.4719, 69.8289, 90.0697



60.4581, 69.8289, 125.4388



82.5287, 69.8289, 63.5340



72.6558, 69.8289, 41.6731

Sweetspot

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



52.4740, 69.8316, 90.0713



82.3509, 93.4534, 108.3051



40.8140, 65.1987, 27.2649



17.2905, 19.8297, 23.1660



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.



52.4740, 69.8316, 90.0713



59.0045, 81.4179, 107.2108



38.4954, 41.8740, 85.4133



15.5177, 17.1219, 19.4092



24.8793, 36.4062, 49.4571



1.9536, 2.8588, 3.8836

Inverse Universe

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



44.1666, 31.8420, 20.6503



48.0184, 31.1787, 15.4054



53.0415, 49.5920, 23.6080



15.0655, 15.0541, 15.6305



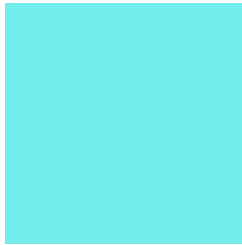
19.0678, 9.8298, 0.8924



1.4973, 0.7719, 0.0701

Previews

White Background



This preview shows how the XYZ color 52.4719, 69.8289, 90.0697 looks on a white background.

Color Contrast Check

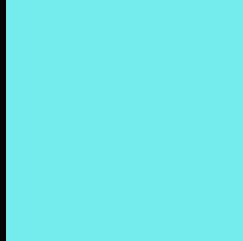
Large Text (above 18pt) WCAG AA × Fail

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 52.4719, 69.8289, 90.0697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

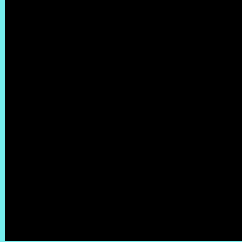
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.4719, 69.8289, 90.0697

Background



This preview shows how black text looks on a background with the XYZ color 52.4719, 69.8289, 90.0697.

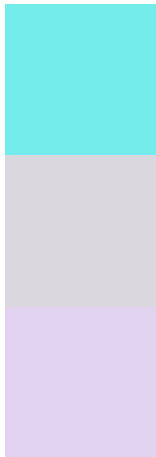


This preview shows how white text looks on a background with the XYZ color 52.4719, 69.8289,

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

52.4719, 69.8289, 90.0697

Protanopia

66.5332, 68.8340, 79.5917

Deuteranopia

70.5355, 69.1082, 92.8407



Tritanopia

54.8780, 69.5171, 102.6212

Trichromacy



Original Color

52.4719, 69.8289, 90.0697



Protanomaly

59.4473, 68.2005, 83.4296



Deuteranomaly

61.4229, 67.8575, 91.5218



Tritanomaly

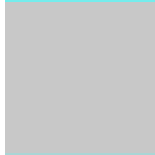
53.9425, 69.5644, 97.7730

Monochromacy



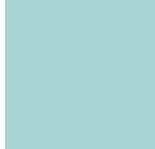
Original Color

52.4719, 69.8289, 90.0697



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.3821, 60.9386, 71.9523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4719, 69.8289, 90.0697 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(117, 236, 236)` looks like.

```
.text, #text, p{  
    color:rgb(117, 236, 236)  
}
```

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(117, 236, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 236, 236) }
```

Border

The CSS property to change the border of an element to XYZ 52.4719, 69.8289, 90.0697 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(117, 236, 236) }
```


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

```
.border{ border-color:rgb(117, 236, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 236, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 236, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 236, 236);  
box-shadow:4px 4px 4px 4px rgb(117, 236,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4719, 69.8289, 90.0697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 236, 236) }
```

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

```
.background{ background-color: rgb(117,  
236, 236) }
```

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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