

Converting Colors

XYZ(48.0184, 65.9157, 94.6663)

Have a look what the booklet for
XYZ(48.0184, 65.9157, 94.6663)
contains.

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Color

**XYZ(47.9359, 65.6801,
94.9451)**

Conversions

Conversions Part 1

Format	Color
Hex	4BE8F3
RGB	75, 232, 243
RGB Percent	29%, 91%, 95%
CMY	0.7058, 0.0902, 0.0471
CMYK	0.69, 0.05, 0.00, 0.05
HSL	184°, 88%, 62%
HSV	184°, 69%, 95%
XYZ	47.9359, 65.6801, 94.9451
YIQ	186.3110, -97.1030, -29.8630

Conversions

Conversions Part 2

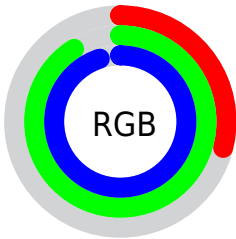
Format	Color
R_{YB}	75, 156, 243
Decimal	4974835
CIE _{Lab}	84.83, -36.63, -17.22
CIE _{LCh}	85, 40.477, 205.183
Yxy	65.6801, 0.2298, 0.3149
Android (android.graphics.Color)	4283164915 (0xFF4BE8F3)
YUV	186.3110, 27.9477, -97.6197
Hunter-Lab	81.0433, -36.2456, -12.7301

Details

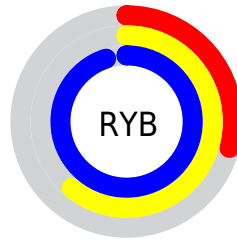
The XYZ color **47.9359, 65.6801, 94.9451** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **41.5615, 26.2201, 9.5289**, and the grayscale version is **46.7361, 49.1700, 53.5462**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **24.4950, 34.6385, 52.4086** is the 20% darker color. If you saturate the color by 10%, you get **45.9403, 63.9909, 94.7254**, and if you desaturate by 10%, it is **50.6649, 67.7562, 95.2032**.

Distribution



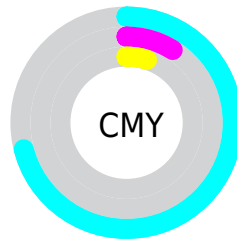
- Red (29%)
- Green (91%)
- Blue (95%)



- Red (29%)
- Yellow (61%)
- Blue (95%)



- Cyan (69%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)





- Cyan (71%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9359, 65.6801, 94.9451 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 47.9359, 65.6801, 94.9451 by changing the saturation by 10% instead.


 47.9359, 65.6801,
94.9451


 47.9359, 65.6801,
94.9451


369.1248,
445.2319, 564.9691


 33.9872, 48.0128,
71.4926


 86.3192, 113.0271,
156.1837


 23.0466, 33.8370,
52.2600


 111.4845,
143.4755, 194.8069

 14.7488, 22.7684,
36.8287


 141.1194,
178.9531, 239.3241

 8.7284, 14.4226,
24.7802

 175.5892,
219.8442, 290.1539

 4.6202, 8.4152,
15.6958

215.2593,
266.5332, 347.7147

 2.0586, 4.3617,
9.1571

260.4950,

 0.6666, 1.8779,

319.4046, 412.4251

4.7456

311.6618,
378.8427, 484.7037

■ 0.0000, 0.5350,
2.0427

■ 0.0000, 0.0000,
0.5813

■ 47.9359, 65.6801,
94.9451

■ 47.9359, 65.6801,
94.9451

■ 45.9403, 63.9909,
94.7254

■ 50.6649, 67.7562,
95.2032

■ 44.5844, 62.6361,
94.5354


■ 54.1953, 70.2501,
95.4985


■ 43.7365, 61.5492,
94.3703


■ 58.5939, 73.1975,
95.8356


■ 43.6723, 61.4599,
94.3565


■ 63.9190, 76.6287,
96.2172

 70.2238, 80.5710,
96.6458

 77.5573, 85.0497,
97.1238

 85.9655, 90.0886,
97.6532

 89.9889, 92.8731,
97.9787

 90.4716, 93.8385,
98.1395

Harmonies

Analogous

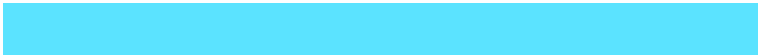
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.6098, 65.6801, 67.4015



47.9359, 65.6801, 94.9451



52.9887, 65.6801, 120.8625

Triad

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



47.9359, 65.6801, 94.9451



77.8691, 65.6801, 103.9940



63.9030, 65.6801, 32.3941

Complementary

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



47.9359, 65.6801, 94.9451



41.5615, 26.2201, 9.5289

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.



72.9243, 65.6801, 37.8443



47.9359, 65.6801, 94.9451



81.4700, 65.6801, 75.7914

Square

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



47.9359, 65.6801, 94.9451



70.1467, 65.6801, 126.9119



79.5786, 65.6801, 52.2954



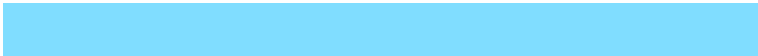
55.2955, 65.6801, 35.1659

Rectangle

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



47.9359, 65.6801, 94.9451



58.0720, 65.6801, 131.4907



79.5786, 65.6801, 52.2954



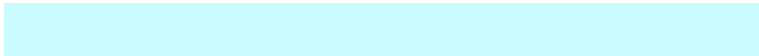
66.9944, 65.6801, 33.2776

Sweetspot

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



47.9379, 65.6825, 94.9467



76.9103, 89.0035, 107.7335



36.5308, 66.2293, 19.1250



16.0340, 18.7839, 23.0305



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.



47.9379, 65.6825, 94.9467



50.5588, 70.7367, 105.5966



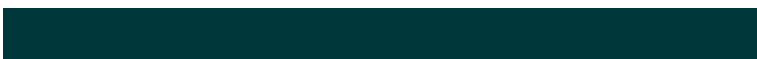
30.0838, 29.9742, 88.9953



16.8984, 18.5611, 21.2346



24.0078, 33.8093, 51.7985



2.1376, 3.0265, 4.5618

Inverse Universe

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



54.0454, 29.9149, 79.2721



58.0153, 29.3728, 85.9432



52.1262, 47.3494, 13.0505



17.1640, 16.7485, 20.6104



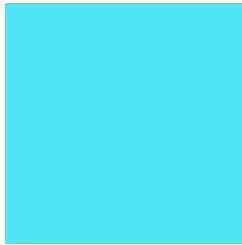
27.9225, 13.5124, 41.1619



2.4680, 1.1932, 3.6909

Previews

White Background



This preview shows how the XYZ color 47.9359, 65.6801, 94.9451 looks on a white background.

Color Contrast Check

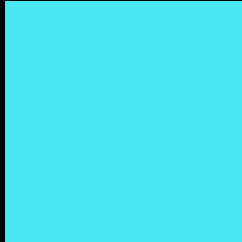
Large Text (above 18pt) WCAG AA × Fail

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 47.9359, 65.6801, 94.9451 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 47.9359, 65.6801, 94.9451

Background



This preview shows how black text looks on a background with the XYZ color 47.9359, 65.6801, 94.9451.

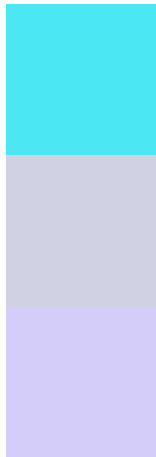


This preview shows how white text looks on a background with the XYZ color 47.9359, 65.6801,

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

47.9359, 65.6801, 94.9451

Protanopia

63.0986, 64.7577, 82.5726

Deuteranopia

66.0816, 64.4992, 98.5893



Tritanopia

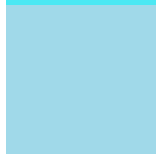
49.0557, 65.7162, 100.5415

Trichromacy



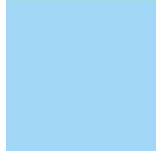
Original Color

47.9359, 65.6801, 94.9451



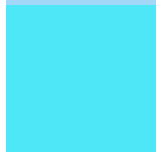
Protanomaly

54.0180, 62.9825, 86.4006



Deuteranomaly

55.9892, 62.9977, 97.2045



Tritanomaly

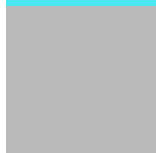
48.5063, 65.4869, 98.0794

Monochromacy



Original Color

47.9359, 65.6801, 94.9451



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.4725, 53.3279, 66.9808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9359, 65.6801, 94.9451 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(75, 232, 243)` looks like.

```
.text, #text, p{  
    color:rgb(75, 232, 243)  
}
```

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(75, 232, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 232, 243) }
```

Border

The CSS property to change the border of an element to XYZ 47.9359, 65.6801, 94.9451 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(75, 232, 243) }
```


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

```
.border{ border-color:rgb(75, 232, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 232, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 232, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 232, 243);  
box-shadow:4px 4px 4px 4px rgb(75, 232,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9359, 65.6801, 94.9451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 232, 243) }
```

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

```
.background{ background-color: rgb(75, 232,  
243) }
```

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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