

Converting Colors

XYZ(45.9276, 63.7610, 97.0753)

Have a look what the booklet for
XYZ(45.9276, 63.7610, 97.0753)
contains.

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Color

**XYZ(45.9276, 63.7610,
97.0753)**

Conversions

Conversions Part 1

Format	Color
Hex	2BE6F6
RGB	43, 230, 246
RGB Percent	17%, 90%, 96%
CMY	0.8313, 0.0980, 0.0353
CMYK	0.83, 0.07, 0.00, 0.04
HSL	185°, 92%, 57%
HSV	185°, 83%, 96%
XYZ	45.9276, 63.7610, 97.0753
YIQ	175.9110, -116.5880, -34.6680

Conversions

Conversions Part 2

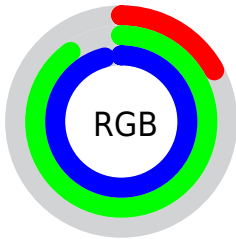
Format	Color
R_{YB}	43, 140, 246
Decimal	2877174
CIE _{Lab}	83.84, -37.99, -20.35
CIE _{LCh}	84, 43.100, 208.177
Yxy	63.7610, 0.2221, 0.3084
Android (android.graphics.Color)	4281067254 (0xFF2BE6F6)
YUV	175.9110, 34.5539, -116.5629
Hunter-Lab	79.8505, -37.0705, -16.1843

Details

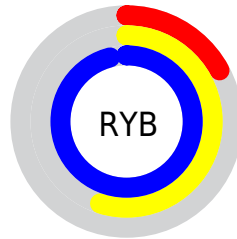
The XYZ color **45.9276, 63.7610, 97.0753** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **40.0079, 22.8975, 4.5985**, and the grayscale version is **41.0935, 43.2336, 47.0814**.

A 20% lighter version of the original color is **62.5624, 83.2520, 107.3796**, and **24.4303, 33.9898, 53.9883** is the 20% darker color. If you saturate the color by 10%, you get **44.6533, 62.3088, 96.8634**, and if you desaturate by 10%, it is **47.8326, 65.5499, 97.3214**.

Distribution



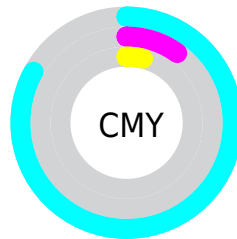
- Red (17%)
- Green (90%)
- Blue (96%)



- Red (17%)
- Yellow (55%)
- Blue (96%)



- Cyan (83%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)



- Cyan (83%)
- Magenta (10%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9276, 63.7610, 97.0753 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 45.9276, 63.7610, 97.0753 by changing the saturation by 10% instead.

45.9276, 63.7610,
97.0753

45.9276, 63.7610,
97.0753

361.2383,
438.3261, 571.9409

32.3931, 46.4571,
73.2571

83.3392, 110.2667,
159.1488

21.8189, 32.6067,
53.6931

107.9469,
140.2372, 198.2411

13.8398, 21.8253,
37.9648

136.9764,
175.1989, 243.2618

8.0903, 13.7286,
25.6538

170.7931,
215.5359, 294.6295

4.2050, 7.9322,
16.3414

209.7623,
261.6327, 352.7627

1.8188, 4.0516,
9.6091

254.2493,

0.5289, 1.7024,

313.8738, 418.0800

5.0383

304.6195,
372.6434, 490.9999

■ 0.0000, 0.4252,
2.2106

■ 0.0000, 0.0000,
0.6805

■ 45.9276, 63.7610,
97.0753

■ 45.9276, 63.7610,
97.0753

■ 44.6533, 62.3088,
96.8634

■ 47.8326, 65.5499,
97.3214

■ 43.9980, 61.3803,
96.7187

■ 50.4594, 67.7185,
97.6015

■ 53.8905, 70.3107,
97.9210

■ 58.1954, 73.3623,
98.2832

■ 63.4363, 76.9055,
98.6908

■ 69.6696, 80.9694,
99.1467

■ 76.9473, 85.5808,
99.6532

■ 85.3177, 90.7645,
100.2126

■ 91.2744, 94.7131,
100.6608

Harmonies

Analogous

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



44.1646, 63.7610, 67.7795



45.9276, 63.7610, 97.0753



51.4998, 63.7610, 123.8291

Triad

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



45.9276, 63.7610, 97.0753



77.4283, 63.7610, 100.7120



61.1839, 63.7610, 29.2590

Complementary

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



45.9276, 63.7610, 97.0753



40.0079, 22.8975, 4.5985

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.



70.7201, 63.7610, 33.8737



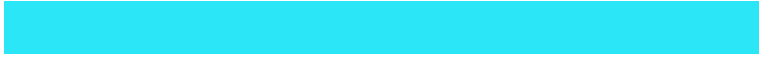
45.9276, 63.7610, 97.0753



80.6848, 63.7610, 71.0967

Square

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



45.9276, 63.7610, 97.0753



69.6141, 63.7610, 126.2845



78.1122, 63.7610, 47.5972



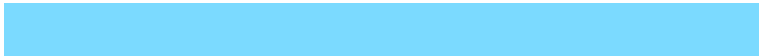
52.4050, 63.7610, 32.8562

Rectangle

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



45.9276, 63.7610, 97.0753



56.9483, 63.7610, 133.9970



78.1122, 63.7610, 47.5972



64.4106, 63.7610, 29.8702

Sweetspot

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



45.9296, 63.7633, 97.0768



73.7768, 86.6847, 107.4511



34.6808, 66.7175, 14.8625



15.2759, 18.2188, 22.9614



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.



45.9296, 63.7633, 97.0768



47.8196, 66.7119, 104.9641



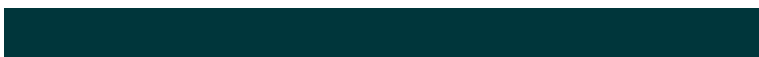
25.7454, 23.3949, 90.3488



16.8784, 18.5211, 21.2279



23.5323, 32.8584, 51.6400



2.1008, 2.9530, 4.5495

Inverse Universe

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



53.1546, 27.0357, 77.2821



56.2779, 27.3194, 80.9820



50.6772, 44.2361, 8.1549



17.1540, 16.7444, 20.5573



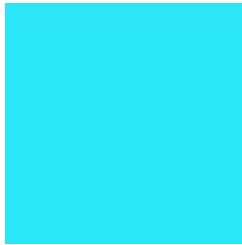
27.6825, 13.4164, 39.8981



2.4495, 1.1857, 3.5932

Previews

White Background



This preview shows how the XYZ color 45.9276, 63.7610, 97.0753 looks on a white background.

Color Contrast Check

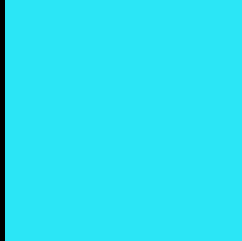
Large Text (above 18pt) WCAG AA × Fail

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 45.9276, 63.7610, 97.0753 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 45.9276, 63.7610, 97.0753

Background



This preview shows how black text looks on a background with the XYZ color 45.9276, 63.7610, 97.0753.

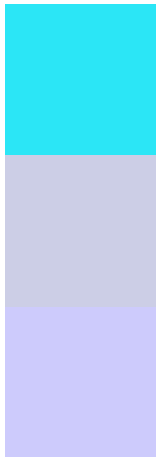


This preview shows how white text looks on a background with the XYZ color 45.9276, 63.7610,

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

45.9276, 63.7610, 97.0753

Protanopia

61.2561, 62.6932, 83.7354

Deuteranopia

64.1035, 62.7193, 100.8229



Tritanopia

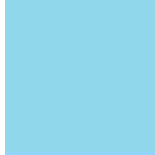
46.3668, 63.9518, 98.7071

Trichromacy



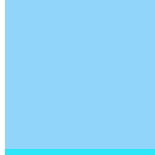
Original Color

45.9276, 63.7610, 97.0753



Protanomaly

51.1178, 60.6767, 88.3745



Deuteranomaly

52.9036, 60.6016, 99.3514



Tritanomaly

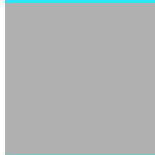
46.1675, 63.8669, 97.8900

Monochromacy



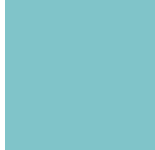
Original Color

45.9276, 63.7610, 97.0753



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

39.1846, 48.2861, 62.5132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9276, 63.7610, 97.0753 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(43, 230, 246)` looks like.

```
.text, #text, p{  
    color:rgb(43, 230, 246)  
}
```

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(43, 230, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 230, 246) }
```

Border

The CSS property to change the border of an element to XYZ 45.9276, 63.7610, 97.0753 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(43, 230, 246) }
```


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

```
.border{ border-color:rgb(43, 230, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 230, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 230, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 230, 246);  
box-shadow:4px 4px 4px 4px rgb(43, 230,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9276, 63.7610, 97.0753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 230, 246) }
```

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

```
.background{ background-color: rgb(43, 230,  
246) }
```

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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