

Converting Colors

XYZ(45.4677, 64.8448, 75.0856)

Have a look what the booklet for
XYZ(45.4677, 64.8448, 75.0856)
contains.

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Color

**XYZ(45.4677, 64.8448,
75.0856)**

Conversions

Conversions Part 1

Format	Color
Hex	5AE8D8
RGB	90, 232, 216
RGB Percent	35%, 91%, 85%
CMY	0.6470, 0.0902, 0.1529
CMYK	0.61, 0.00, 0.07, 0.09
HSL	173°, 76%, 63%
HSV	173°, 61%, 91%
XYZ	45.4677, 64.8448, 75.0856
YIQ	187.7180, -79.4960, -35.0800

Conversions

Conversions Part 2

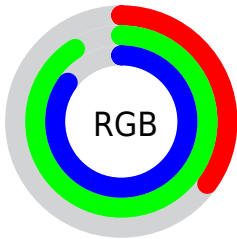
Format	Color
RYB	90, 165, 232
Decimal	5957848
CIELab	84.40, -41.73, -3.59
CIELCh	84, 41.885, 184.913
Yxy	64.8448, 0.2452, 0.3498
Android (android.graphics.Color)	4284147928 (0xFF5AE8D8)
YUV	187.7180, 13.9430, -85.6987
Hunter-Lab	80.5263, -40.1342, 1.0843

Details

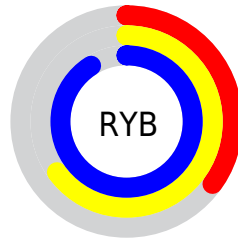
The XYZ color **45.4677, 64.8448, 75.0856** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **39.5385, 25.5105, 16.4780**, and the grayscale version is **47.5976, 50.0763, 54.5331**.

A 20% lighter version of the original color is **66.9469, 85.5123, 107.5848**, and **21.9584, 33.6239, 39.0509** is the 20% darker color. If you saturate the color by 10%, you get **43.2186, 63.7256, 73.2311**, and if you desaturate by 10%, it is **48.4300, 66.3341, 77.0044**.

Distribution



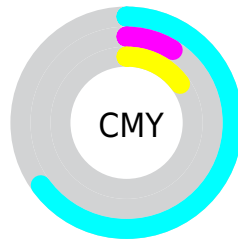
- Red (35%)
- Green (91%)
- Blue (85%)



- Red (35%)
- Yellow (65%)
- Blue (91%)



- Cyan (61%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)




- Cyan (65%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4677, 64.8448, 75.0856 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 45.4677, 64.8448, 75.0856 by changing the saturation by 10% instead.


 45.4677, 64.8448,
75.0856


 45.4677, 64.8448,
75.0856


359.4164,
442.2340, 497.4750


 32.0288, 47.3352,
55.1809


 82.6546, 111.8267,
128.1817

 21.5392, 33.3008,
39.1470


 107.1332,
142.0678, 162.2102

 13.6334, 22.3569,
26.5654


 136.0226,
177.3216, 201.7837

 7.9461, 14.1194,
17.0175

 169.6879,
217.9724, 247.3207

 4.1120, 8.2038,
10.0849

208.4946,
264.4047, 299.2398

 1.7657, 4.2256,
5.3489

252.8080,

 0.4969, 1.8006,

317.0028, 357.9595

2.3911

302.9935,
376.1511, 423.8984

■ 0.0000, 0.4875,
0.7816

■ 0.0000, 0.0000,
0.0000

■ 45.4677, 64.8448,
75.0856

■ 45.4677, 64.8448,
75.0856

■ 43.2186, 63.7256,
73.2311

■ 48.4300, 66.3341,
77.0044

■ 41.6089, 62.9339,
71.4331


■ 52.1591, 68.2165,
78.9859


■ 40.5591, 62.4303,
69.6891


■ 56.7100, 70.5220,
81.0342


■ 39.9811, 62.1648,
68.1943

■ 62.1310, 73.2753,
83.1516

 68.4667, 76.4996,
85.3404

 75.7585, 80.2162,
87.6027

 84.0456, 84.4452,
89.9404

 85.3718, 85.0850,
91.9813

 85.7565, 85.2389,
94.0072

Harmonies

Analogous

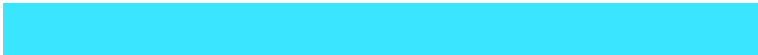
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.8052, 64.8448, 51.0281



45.4677, 64.8448, 75.0856



48.0925, 64.8448, 104.1863

Triad

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



45.4677, 64.8448, 75.0856



72.4527, 64.8448, 121.5212



69.5361, 64.8448, 33.6178

Complementary

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



45.4677, 64.8448, 75.0856



39.5385, 25.5105, 16.4780

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.



77.5028, 64.8448, 45.1474



45.4677, 64.8448, 75.0856



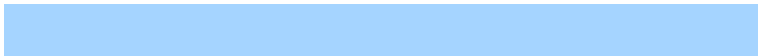
79.3020, 64.8448, 94.6403

Square

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



45.4677, 64.8448, 75.0856



63.1783, 64.8448, 134.9653



81.2368, 64.8448, 66.3062



60.1132, 64.8448, 30.8634

Rectangle

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



45.4677, 64.8448, 75.0856



51.9082, 64.8448, 121.3928



81.2368, 64.8448, 66.3062



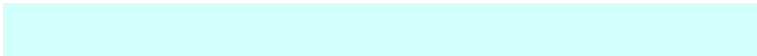
72.5024, 64.8448, 36.4232

Sweetspot

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



45.4696, 64.8473, 75.0871



79.3111, 91.9812, 103.8746



36.7155, 61.5530, 19.6200



16.5086, 19.4501, 22.0655



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.



45.4696, 64.8473, 75.0871



53.0581, 78.7215, 90.2569



34.6183, 39.6708, 82.1795



14.7338, 16.3070, 18.1290



22.2248, 34.5220, 38.0135



1.6624, 2.5591, 2.9145

Inverse Universe

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



39.5385, 25.5105, 16.4780



45.1970, 26.2331, 12.3158



45.1655, 37.9743, 14.6234



14.4427, 14.3943, 15.2657



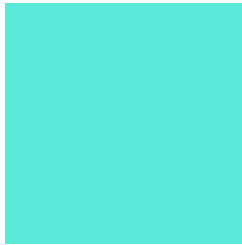
18.6023, 9.5752, 1.5350



1.3967, 0.7164, 0.2297

Previews

White Background



This preview shows how the XYZ color 45.4677, 64.8448, 75.0856 looks on a white background.

Color Contrast Check

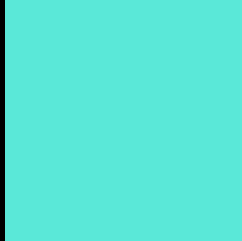
Large Text (above 18pt) WCAG AA × Fail

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 45.4677, 64.8448, 75.0856 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

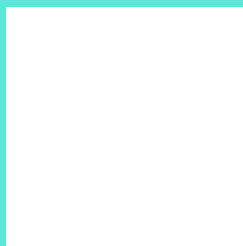
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4677, 64.8448, 75.0856

Background



This preview shows how black text looks on a background with the XYZ color 45.4677, 64.8448, 75.0856.

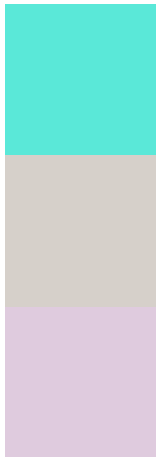


This preview shows how white text looks on a background with the XYZ color 45.4677, 64.8448,

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

45.4677, 64.8448, 75.0856

Protanopia

60.9481, 63.6722, 64.9548

Deuteranopia

64.9722, 63.6738, 77.9731



Tritanopia

49.9715, 65.0242, 97.1059

Trichromacy



Original Color

45.4677, 64.8448, 75.0856



Protanomaly

52.4375, 62.5657, 68.3441



Deuteranomaly

54.6440, 62.3744, 76.8696



Tritanomaly

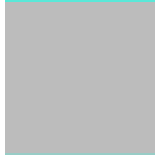
48.0517, 64.6335, 88.5402

Monochromacy



Original Color

45.4677, 64.8448, 75.0856



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.7348, 53.9383, 61.4794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4677, 64.8448, 75.0856 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(90, 232, 216)` looks like.

```
.text, #text, p{  
    color:rgb(90, 232, 216)  
}
```

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(90, 232, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 232, 216) }
```

Border

The CSS property to change the border of an element to XYZ 45.4677, 64.8448, 75.0856 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(90, 232, 216) }
```


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

```
.border{ border-color:rgb(90, 232, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 232, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 232, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 232, 216);  
box-shadow:4px 4px 4px 4px rgb(90, 232,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4677, 64.8448, 75.0856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 232, 216) }
```

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

```
.background{ background-color: rgb(90, 232,  
216) }
```

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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