

Converting Colors

XYZ(45.5273, 64.6731, 84.2196)

Have a look what the booklet for
XYZ(45.5273, 64.6731, 84.2196)
contains.

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Color

**XYZ(45.5253, 64.6725,
84.2123)**

Conversions

Conversions Part 1

Format	Color
Hex	46E8E5
RGB	70, 232, 229
RGB Percent	27%, 91%, 90%
CMY	0.7254, 0.0902, 0.1020
CMYK	0.70, 0.00, 0.01, 0.09
HSL	179°, 78%, 59%
HSV	179°, 70%, 91%
XYZ	45.5253, 64.6725, 84.2123
YIQ	183.2200, -95.5890, -35.2770

Conversions

Conversions Part 2

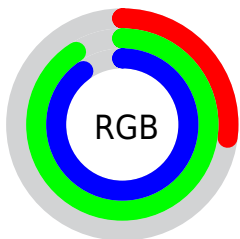
Format	Color
RYB	70, 152, 232
Decimal	4647141
CIELab	84.31, -41.18, -10.63
CIELCh	84, 42.532, 194.470
Yxy	64.6725, 0.2342, 0.3327
Android (android.graphics.Color)	4282837221 (0xFF46E8E5)
YUV	183.2200, 22.5695, -99.2939
Hunter-Lab	80.4192, -39.6848, -5.7930

Details

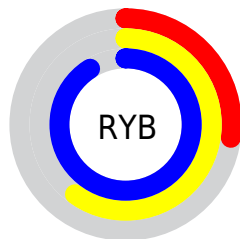
The XYZ color **45.5253, 64.6725, 84.2123** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **36.6737, 22.0193, 8.6228**, and the grayscale version is **45.0506, 47.3967, 51.6150**.

A 20% lighter version of the original color is **64.6252, 84.3154, 107.4761**, and **23.1653, 34.1067, 45.4067** is the 20% darker color. If you saturate the color by 10%, you get **44.1043, 63.9483, 83.8342**, and if you desaturate by 10%, it is **47.5964, 65.7347, 84.6245**.

Distribution



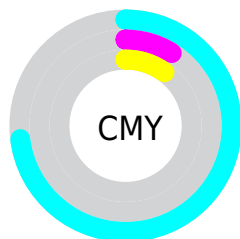
- Red (27%)
- Green (91%)
- Blue (90%)



- Red (27%)
- Yellow (60%)
- Blue (91%)



- Cyan (70%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)




- Cyan (73%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5253, 64.6725, 84.2123 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 45.5253, 64.6725, 84.2123 by changing the saturation by 10% instead.


 45.5253, 64.6725,
84.2123


 45.5253, 64.6725,
84.2123


359.6449,
441.6141, 529.0944


 32.0744, 47.1956,
62.6443


 82.7403, 111.5789,
141.1365

 21.5742, 33.1903,
45.1144


 107.2352,
141.7771, 177.3298

 13.6592, 22.2723,
31.2039


 136.1421,
176.9846, 219.2353

 7.9641, 14.0571,
20.4944

 169.8265,
217.5857, 267.2715

 4.1236, 8.1604,
12.5673

208.6536,
263.9648, 321.8570

 1.7723, 4.1977,
7.0041

252.9888,

 0.5009, 1.7848,

316.5063, 383.4103

3.3862

303.1974,
375.5946, 452.3499

■ 0.0000, 0.4777,
1.2950

■ 0.0000, 0.0000,
0.0577

■ 45.5253, 64.6725,
84.2123

■ 45.5253, 64.6725,
84.2123

■ 44.1043, 63.9483,
83.8342

■ 47.5964, 65.7347,
84.6245

■ 43.2484, 63.5140,
83.4819


■ 50.3783, 67.1619,
85.0692


■ 42.8263, 63.3033,
83.1507


■ 53.9314, 68.9866,
85.5509


■ 42.8202, 63.3002,
83.1449


■ 58.3079, 71.2357,
86.0718

 63.5555, 73.9340,
86.6343

 69.7184, 77.1040,
87.2404

 76.8377, 80.7671,
87.8921

 84.7259, 84.8265,
88.5805

 84.7872, 84.8510,
88.9034

Harmonies

Analogous

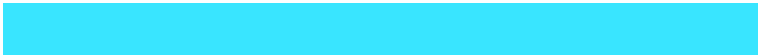
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.5964, 64.6725, 57.4043



45.5253, 64.6725, 84.2123



49.4123, 64.6725, 113.4391

Triad

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



45.5253, 64.6725, 84.2123



75.0722, 64.6725, 114.3750



66.4548, 64.6725, 31.2873

Complementary

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



45.5253, 64.6725, 84.2123



36.6737, 22.0193, 8.6228

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.



75.3435, 64.6725, 39.9343



45.5253, 64.6725, 84.2123



80.6548, 64.6725, 85.2619

Square

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



45.5253, 64.6725, 84.2123



66.1142, 64.6725, 133.6463



80.7589, 64.6725, 58.2177



57.0472, 64.6725, 31.1428

Rectangle

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



45.5253, 64.6725, 84.2123



53.9784, 64.6725, 128.4656



80.7589, 64.6725, 58.2177



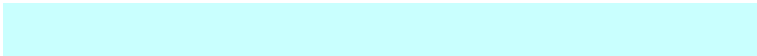
69.6229, 64.6725, 33.1731

Sweetspot

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



45.5272, 64.6749, 84.2138



77.8592, 91.1562, 107.2636



32.8973, 59.6700, 15.5797



16.2635, 19.3047, 22.9167



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.



45.5272, 64.6749, 84.2138



54.0839, 78.9543, 103.6812



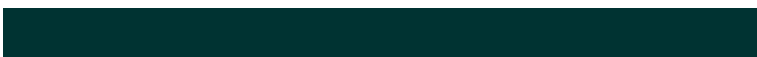
29.0494, 31.0426, 80.8073



14.7953, 16.3316, 18.4529



23.7768, 35.1428, 46.1865



1.7607, 2.5984, 3.4326

Inverse Universe

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



36.6737, 22.0193, 8.6228



42.4953, 23.0198, 4.6629



44.6041, 38.0356, 10.7868



14.3878, 14.3723, 14.9765



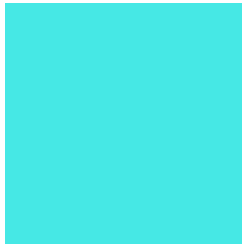
18.4932, 9.5315, 0.9601



1.3704, 0.7059, 0.0912

Previews

White Background



This preview shows how the XYZ color 45.5253, 64.6725, 84.2123 looks on a white background.

Color Contrast Check

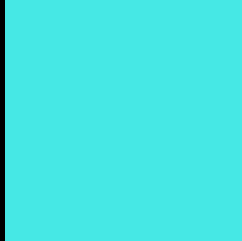
Large Text (above 18pt) WCAG AA × Fail

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 45.5253, 64.6725, 84.2123 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

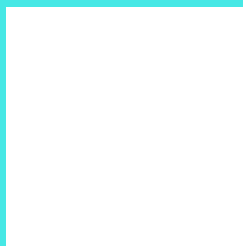
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5253, 64.6725, 84.2123

Background



This preview shows how black text looks on a background with the XYZ color 45.5253, 64.6725, 84.2123.

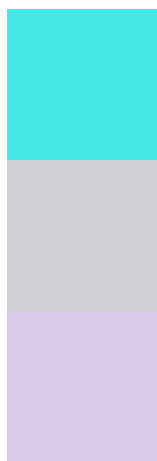


This preview shows how white text looks on a background with the XYZ color 45.5253, 64.6725,

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

45.5253, 64.6725, 84.2123

Protanopia

61.3144, 63.3296, 72.6105

Deuteranopia

64.6702, 63.3090, 87.4086



Tritanopia

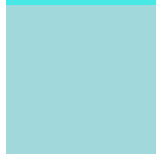
48.3559, 64.5653, 98.7207

Trichromacy



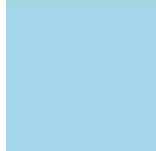
Original Color

45.5253, 64.6725, 84.2123



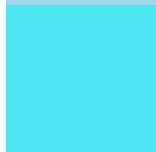
Protanomaly

51.8393, 61.6998, 76.1949



Deuteranomaly

53.8588, 61.7629, 86.1736



Tritanomaly

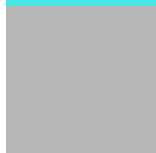
47.2346, 64.5223, 93.1836

Monochromacy



Original Color

45.5253, 64.6725, 84.2123



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

42.4673, 51.6942, 62.3833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5253, 64.6725, 84.2123 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(70, 232, 229)` looks like.

```
.text, #text, p{  
    color:rgb(70, 232, 229)  
}
```

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(70, 232, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 232, 229) }
```

Border

The CSS property to change the border of an element to XYZ 45.5253, 64.6725, 84.2123 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(70, 232, 229) }
```


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

```
.border{ border-color:rgb(70, 232, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 232, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 232, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 232, 229);  
box-shadow:4px 4px 4px 4px rgb(70, 232,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5253, 64.6725, 84.2123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 232, 229) }
```

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

```
.background{ background-color: rgb(70, 232,  
229) }
```

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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