

Converting Colors

XYZ(43.6785, 64.1509, 68.0966)

Have a look what the booklet for
XYZ(43.6785, 64.1509, 68.0966)
contains.

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Color

**XYZ(43.6224, 64.0523,
67.8218)**

Conversions

Conversions Part 1

Format	Color
Hex	55E8CD
RGB	85, 232, 205
RGB Percent	33%, 91%, 80%
CMY	0.6666, 0.0902, 0.1961
CMYK	0.63, 0.00, 0.12, 0.09
HSL	169°, 76%, 62%
HSV	169°, 63%, 91%
XYZ	43.6224, 64.0523, 67.8218
YIQ	184.9690, -78.9450, -39.5610

Conversions

Conversions Part 2

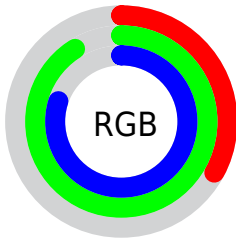
Format	Color
RYB	85, 166, 232
Decimal	5630157
CIELab	83.99, -45.32, 1.60
CIElCh	84, 45.352, 177.982
Yxy	64.0523, 0.2486, 0.3650
Android (android.graphics.Color)	4283820237 (0xFF55E8CD)
YUV	184.9690, 9.8753, -87.6728
Hunter-Lab	80.0327, -42.7645, 5.7790

Details

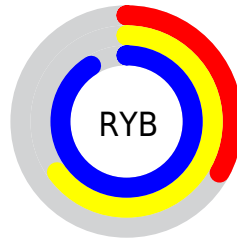
The XYZ color **43.6224, 64.0523, 67.8218** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **39.4540, 24.8245, 18.0439**, and the grayscale version is **46.0770, 48.4766, 52.7910**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **21.1112, 33.2850, 34.5901** is the 20% darker color. If you saturate the color by 10%, you get **41.3442, 62.9380, 65.0674**, and if you desaturate by 10%, it is **46.6085, 65.5330, 70.6854**.

Distribution



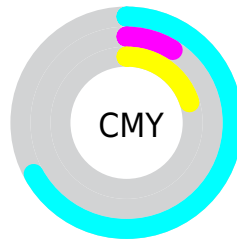
- Red (33%)
- Green (91%)
- Blue (80%)



- Red (33%)
- Yellow (65%)
- Blue (91%)



- Cyan (63%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)





- Cyan (67%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.6224, 64.0523, 67.8218 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 43.6224, 64.0523, 67.8218 by changing the saturation by 10% instead.


 43.6224, 64.0523,
67.8218

 43.6224, 64.0523,
67.8218


352.0434,
439.3785, 471.4453


 30.5704, 46.6930,
49.2870


 79.8991, 110.6863,
117.7490


 20.4222, 32.7931,
34.4800


 103.8545,
140.7297, 149.9784

 12.8123, 21.9680,
22.9822


 132.1752,
175.7701, 187.6099

 7.3755, 13.8334,
14.3752

 165.2263,
216.1917, 231.0618

 3.7465, 8.0049,
8.2404

203.3734,
262.3789, 280.7527

 1.5597, 4.0981,
4.1592

246.9817,

 0.3659, 1.7286,

314.7162, 337.1013

1.7131

296.4166,
373.5879, 400.5260

■ 0.0000, 0.4420,
0.3697

■ 0.0000, 0.0000,
0.0000

■ 43.6224, 64.0523,
67.8218

■ 43.6224, 64.0523,
67.8218

■ 41.3442, 62.9380,
65.0674

■ 46.6085, 65.5330,
70.6854

■ 39.6979, 62.1464,
62.4137

■ 50.3580, 67.4040,
73.6570


■ 38.5998, 61.6357,
59.8576


■ 54.9270, 69.6959,
76.7412


■ 38.0850, 61.4063,
58.2099


■ 60.3651, 72.4341,
79.9409

 66.7174, 75.6420,
83.2589

 74.0263, 79.3414,
86.6975

 82.3312, 83.5525,
90.2592

 85.6917, 85.2130,
93.6664

 86.3293, 85.4680,
97.0238

Harmonies

Analogous

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



45.9956, 64.0523, 44.4416



43.6224, 64.0523, 67.8218



45.4365, 64.0523, 98.8849

Triad

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



43.6224, 64.0523, 67.8218



70.3494, 64.0523, 130.5131



71.6481, 64.0523, 32.7100

Complementary

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



43.6224, 64.0523, 67.8218



39.4540, 24.8245, 18.0439

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.



79.4772, 64.0523, 46.9741



43.6224, 64.0523, 67.8218



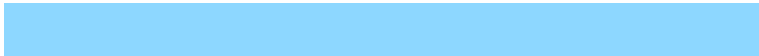
78.6716, 64.0523, 103.1825

Square

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



43.6224, 64.0523, 67.8218



60.2055, 64.0523, 140.4757



82.1766, 64.0523, 71.6982



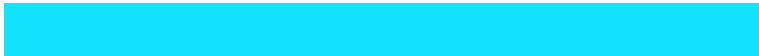
61.5591, 64.0523, 27.9302

Rectangle

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



43.6224, 64.0523, 67.8218



48.9006, 64.0523, 119.1451



82.1766, 64.0523, 71.6982



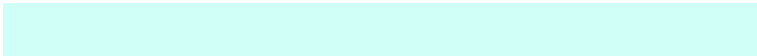
74.6711, 64.0523, 36.3223

Sweetspot

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



43.6242, 64.0548, 67.8233



78.0165, 91.3806, 100.7958



37.4900, 61.9760, 18.5823



16.2299, 19.3226, 21.3234



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.



43.6242, 64.0548, 67.8233



50.5358, 77.6541, 79.6200



36.2758, 43.6837, 82.8666



14.6879, 16.2886, 17.8872



21.1859, 34.1065, 32.5431



1.5952, 2.5322, 2.5608

Inverse Universe

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



39.4540, 24.8245, 18.0439



45.0678, 25.4782, 13.8027



42.7841, 33.5408, 12.8147



14.4846, 14.4110, 15.4862



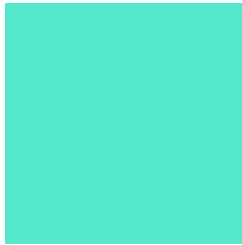
18.7466, 9.6329, 2.2946



1.4166, 0.7243, 0.3342

Previews

White Background



This preview shows how the XYZ color 43.6224, 64.0523, 67.8218 looks on a white background.

Color Contrast Check

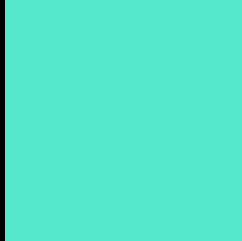
Large Text (above 18pt) WCAG AA × Fail

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 43.6224, 64.0523, 67.8218 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

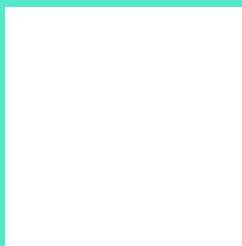
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.6224, 64.0523, 67.8218

Background



This preview shows how black text looks on a background with the XYZ color 43.6224, 64.0523, 67.8218.



This preview shows how white text looks on a background with the XYZ color 43.6224, 64.0523,

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

43.6224, 64.0523, 67.8218

Protanopia

59.7411, 62.8343, 58.2698

Deuteranopia

64.1343, 62.6955, 71.0086



Tritanopia

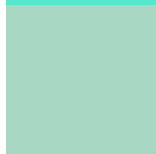
49.1573, 63.8101, 96.1119

Trichromacy



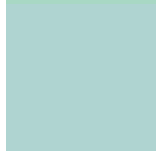
Original Color

43.6224, 64.0523, 67.8218



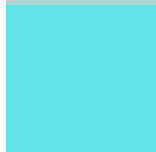
Protanomaly

50.6681, 61.4221, 61.4097



Deuteranomaly

52.7313, 60.8044, 69.2788



Tritanomaly

46.8502, 63.6868, 84.6864

Monochromacy



Original Color

43.6224, 64.0523, 67.8218



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.0294, 52.4364, 57.7225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.6224, 64.0523, 67.8218 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(85, 232, 205)` looks like.

```
.text, #text, p{  
    color:rgb(85, 232, 205)  
}
```

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(85, 232, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 232, 205) }
```

Border

The CSS property to change the border of an element to XYZ 43.6224, 64.0523, 67.8218 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(85, 232, 205) }
```


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

```
.border{ border-color:rgb(85, 232, 205) }
```

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

Here you see how a box with a 4 pixel rgb(85, 232, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 232, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 232, 205);  
box-shadow:4px 4px 4px 4px rgb(85, 232,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 43.6224, 64.0523, 67.8218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 232, 205) }
```

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

```
.background{ background-color: rgb(85, 232,  
205) }
```

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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