

Converting Colors

XYZ(42.8800, 54.3396, 67.3645)

Have a look what the booklet for
XYZ(42.8800, 54.3396, 67.3645)
contains.

XYZ(42.8716, 54.2839, 67.2497)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.8716, 54.2839,
67.2497)**

Conversions

Conversions Part 1

Format	Color
Hex	81D0CF
RGB	129, 208, 207
RGB Percent	51%, 82%, 81%
CMY	0.4941, 0.1843, 0.1882
CMYK	0.38, 0.00, 0.00, 0.18
HSL	179°, 46%, 66%
HSV	179°, 38%, 82%
XYZ	42.8716, 54.2839, 67.2497
YIQ	184.2650, -46.7630, -17.0590

Conversions

Conversions Part 2

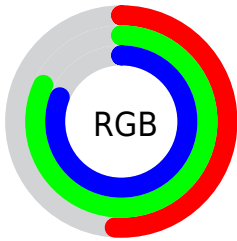
Format	Color
R_{YB}	129, 169, 208
Decimal	8507599
CIE _{Lab}	78.63, -24.42, -7.17
CIE _{LCh}	79, 25.452, 196.369
Yxy	54.2839, 0.2608, 0.3302
Android (android.graphics.Color)	4286697679 (0xFF81D0CF)
YUV	184.2650, 11.2084, -48.4674
Hunter-Lab	73.6776, -25.0701, -2.5430

Details

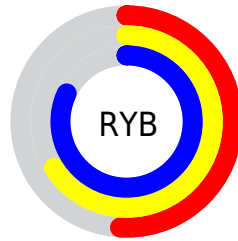
The XYZ color **42.8716, 54.2839, 67.2497** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.8938, 30.7237, 25.0541**, and the grayscale version is **45.6662, 48.0444, 52.3204**.

A 20% lighter version of the original color is **73.8176, 89.0543, 107.9063**, and **19.9650, 26.5382, 34.2071** is the 20% darker color. If you saturate the color by 10%, you get **39.9962, 52.8066, 66.9480**, and if you desaturate by 10%, it is **46.3933, 56.0970, 67.5843**.

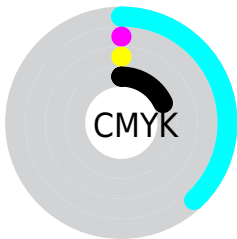
Distribution



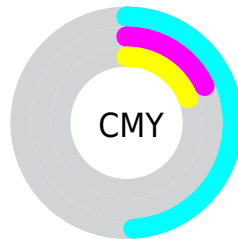
- Red (51%)
- Green (82%)
- Blue (81%)



- Red (51%)
- Yellow (66%)
- Blue (82%)



- Cyan (38%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)





- Cyan (49%)
- Magenta (18%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8716, 54.2839, 67.2497 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 42.8716, 54.2839, 67.2497 by changing the saturation by 10% instead.


 42.8716, 54.2839,
67.2497


 42.8716, 54.2839,
67.2497

349.0139,
403.1917, 469.3587

 29.9785, 38.8287,
48.8247


 78.7740, 96.4910,
116.9222

 19.9702, 26.6265,
34.1158


 102.5139,
124.0116, 149.0067

 12.4815, 17.2929,
22.7045


 130.6002,
156.3228, 186.4816

 7.1470, 10.4435,
14.1722

163.3982,
193.8090, 229.7652

 3.6014, 5.6940,
8.1004

201.2732,
236.8546, 279.2762

 1.4792, 2.6599,
4.0706

244.5906,

 0.3116, 0.9569,

285.8440, 335.4331

1.6641

293.7157,
341.1616, 398.6544

■ 0.0000, 0.0000,
0.3360

■ 0.0000, 0.0000,
0.0000

■ 42.8716, 54.2839,
67.2497

■ 42.8716, 54.2839,
67.2497

■ 39.9962, 52.8066,
66.9480

■ 46.3933, 56.0970,
67.5843

■ 37.7232, 51.6386,
66.6736

■ 50.5926, 58.2580,
67.9497

■ 36.0104, 50.7593,
66.4257

■ 55.5042, 60.7864,
68.3487

■ 34.8086, 50.1434,
66.2019

■ 61.1594, 63.6980,
68.7828

■ 34.0597, 49.7611,
65.9997

■ 67.5875, 67.0080,
69.2534

■ 33.6793, 49.5687,
65.8150

■ 74.8160, 70.7307,
69.7617

■ 33.6203, 49.5390,
65.7785

■ 75.2867, 70.9696,
69.9540

■ 75.3194, 70.9826,
70.1261

■ 75.3521, 70.9957,
70.2985

Harmonies

Analogous

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



42.7661, 54.2839, 52.8236



42.8716, 54.2839, 67.2497



45.2133, 54.2839, 81.4740

Triad

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



42.8716, 54.2839, 67.2497



58.9069, 54.2839, 80.3216



53.9051, 54.2839, 36.0925

Complementary

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



42.8716, 54.2839, 67.2497



37.8938, 30.7237, 25.0541

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.



58.5511, 54.2839, 41.2596



42.8716, 54.2839, 67.2497



61.5629, 54.2839, 65.8676

Square

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



42.8716, 54.2839, 67.2497



54.3655, 54.2839, 89.8180



61.4286, 54.2839, 51.6477



48.9207, 54.2839, 36.3393

Rectangle

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



42.8716, 54.2839, 67.2497



47.8196, 54.2839, 88.2435



61.4286, 54.2839, 51.6477



55.5646, 54.2839, 37.2126

Sweetspot

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



42.8732, 54.2860, 67.2510



85.4155, 95.0399, 108.1503



35.7745, 51.4698, 28.8191



18.0499, 20.2227, 23.1298



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.



42.8732, 54.2860, 67.2510



64.0029, 84.0222, 106.2010



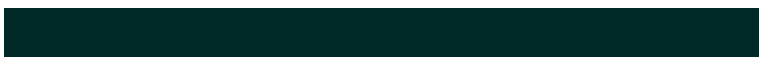
34.7804, 37.9037, 65.1600



12.1517, 13.4044, 15.1550



20.9561, 30.8754, 41.0106



1.1739, 1.7272, 2.3043

Inverse Universe

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



37.8938, 30.7237, 25.0541



54.9595, 41.2206, 29.5580



43.8291, 42.7014, 26.7022



11.8147, 11.8106, 12.3003



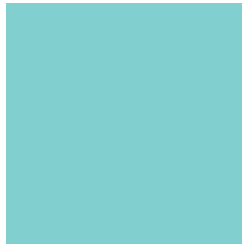
16.2241, 8.3625, 0.8203



0.9093, 0.4684, 0.0574

Previews

White Background



This preview shows how the XYZ color 42.8716, 54.2839, 67.2497 looks on a white background.

Color Contrast Check

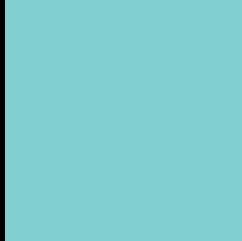
Large Text (above 18pt) WCAG AA × Fail

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 42.8716, 54.2839, 67.2497 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

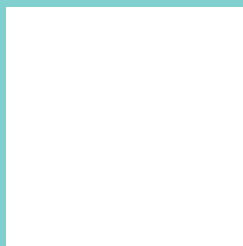
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8716, 54.2839, 67.2497

Background



This preview shows how black text looks on a background with the XYZ color 42.8716, 54.2839, 67.2497.



This preview shows how white text looks on a background with the XYZ color 42.8716, 54.2839,

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

42.8716, 54.2839, 67.2497

Protanopia

52.0280, 53.9529, 61.0979

Deuteranopia

54.6429, 53.5070, 69.0759



Tritanopia

44.9290, 54.4031, 77.2401

Trichromacy



Original Color

42.8716, 54.2839, 67.2497

Protanomaly

47.7500, 53.3759, 63.0442

Deuteranomaly

49.2794, 53.0305, 68.6114

Tritanomaly

44.3529, 54.5409, 73.8354

Monochromacy



Original Color

42.8716, 54.2839, 67.2497

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.8942, 49.8382, 57.1754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8716, 54.2839, 67.2497 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(129, 208, 207)` looks like.

```
.text, #text, p{  
    color:rgb(129, 208, 207)  
}
```

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(129, 208, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 208, 207) }
```

Border

The CSS property to change the border of an element to XYZ 42.8716, 54.2839, 67.2497 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(129, 208, 207) }
```


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

```
.border{ border-color:rgb(129, 208, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 208, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 208, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 208, 207); box-shadow:4px 4px 4px 4px rgb(129, 208, 207) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8716, 54.2839, 67.2497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 208, 207) }
```

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

```
.background{ background-color: rgb(129,  
208, 207) }
```

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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