

Converting Colors

XYZ(45.6109, 58.3749, 82.5814)

Have a look what the booklet for
XYZ(45.6109, 58.3749, 82.5814)
contains.

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Color

**XYZ(45.4989, 58.2906,
82.2520)**

Conversions

Conversions Part 1

Format	Color
Hex	72D8E4
RGB	114, 216, 228
RGB Percent	45%, 85%, 89%
CMY	0.5529, 0.1529, 0.1059
CMYK	0.50, 0.05, 0.00, 0.11
HSL	186°, 68%, 67%
HSV	186°, 50%, 89%
XYZ	45.4989, 58.2906, 82.2520
YIQ	186.8700, -64.6440, -17.8920

Conversions

Conversions Part 2

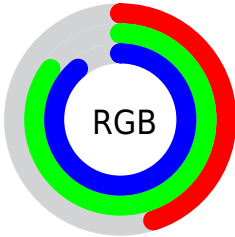
Format	Color
RYB	114, 168, 228
Decimal	7526628
CIELab	80.90, -26.54, -15.08
CIElCh	81, 30.525, 209.604
Yxy	58.2906, 0.2446, 0.3133
Android (android.graphics.Color)	4285716708 (0xFF72D8E4)
YUV	186.8700, 20.2771, -63.9070
Hunter-Lab	76.3483, -27.2344, -10.4309

Details

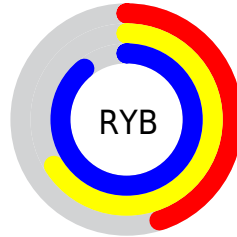
The XYZ color **45.4989, 58.2906, 82.2520** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.4942, 32.6318, 19.9800**, and the grayscale version is **47.0779, 49.5296, 53.9377**.

A 20% lighter version of the original color is **71.0436, 87.6242, 107.7765**, and **21.6031, 29.1850, 44.0298** is the 20% darker color. If you saturate the color by 10%, you get **42.2849, 55.7290, 81.9280**, and if you desaturate by 10%, it is **49.4645, 61.2557, 82.6163**.

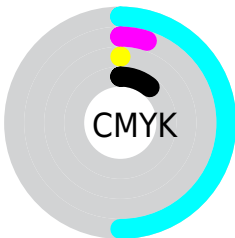
Distribution



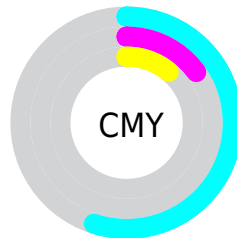
- Red (45%)
- Green (85%)
- Blue (89%)



- Red (45%)
- Yellow (66%)
- Blue (89%)



- Cyan (50%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)



- Cyan (55%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4989, 58.2906, 82.2520 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 45.4989, 58.2906, 82.2520 by changing the saturation by 10% instead.

45.4989, 58.2906,
82.2520

45.4989, 58.2906,
82.2520

359.5402,
418.2679, 522.3958

32.0535, 42.0423,
61.0363

82.7010, 102.3459,
138.3672

21.5581, 29.1344,
43.8237

107.1885,
130.9217, 174.1037

13.6474, 19.1825,
30.1957

136.0873,
164.3755, 215.5176

7.9559, 11.8023,
19.7339

169.7630,
203.0917, 263.0273

4.1183, 6.6092,
12.0196

208.5807,
247.4546, 317.0514

1.7693, 3.2189,
6.6343

252.9059,

0.4991, 1.2471,

297.8487, 378.0085

3.1595

303.1040,
354.6583, 446.3171

■ 0.0000, 0.0996,
1.1767

■ 0.0000, 0.0000,
0.0000

■ 45.4989, 58.2906,
82.2520

■ 45.4989, 58.2906,
82.2520

■ 42.2849, 55.7290,
81.9280

■ 49.4645, 61.2557,
82.6163

■ 39.7611, 53.5351,
81.6376

■ 54.2267, 64.6434,
83.0192

■ 37.8653, 51.6783,
81.3791

■ 59.8330, 68.4797,
83.4643

■ 36.5216, 50.1192,
81.1490

■ 66.3258, 72.7866,
83.9534

■ 35.5979, 48.7897,
80.9410

■ 73.7445, 77.5844,
84.4884

■ 35.5978, 48.7895,
80.9410

■ 82.1264, 82.8922,
85.0711

■ 84.3265, 85.0269,
85.3672

■ 85.0097, 86.3933,
85.5950

■ 85.7022, 87.7783,
85.8258

Harmonies

Analogous

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



44.1227, 58.2906, 63.2284



45.4989, 58.2906, 82.2520



49.4818, 58.2906, 98.4527

Triad

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



45.4989, 58.2906, 82.2520



66.5553, 58.2906, 82.7480



55.4875, 58.2906, 34.6496

Complementary

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



45.4989, 58.2906, 82.2520



42.4942, 32.6318, 19.9800

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.



61.7797, 58.2906, 37.9422



45.4989, 58.2906, 82.2520



68.4597, 58.2906, 63.7093

Square

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



45.4989, 58.2906, 82.2520



61.6234, 58.2906, 98.7752



66.6502, 58.2906, 47.7874



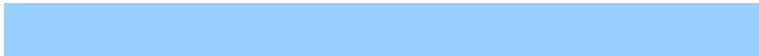
49.6168, 58.2906, 37.7719

Rectangle

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



45.4989, 58.2906, 82.2520



53.2403, 58.2906, 104.2035



66.6502, 58.2906, 47.7874



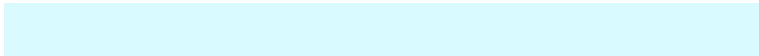
57.6244, 58.2906, 35.0319

Sweetspot

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



45.5007, 58.2928, 82.2534



81.0801, 90.9117, 107.8821



38.4115, 60.5564, 29.2020



16.9807, 19.2101, 23.0629



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.



45.5007, 58.2928, 82.2534



54.3658, 71.7175, 105.5852



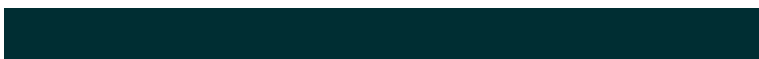
33.4461, 34.1837, 78.2352



14.6711, 16.0635, 18.4717



20.6073, 28.2767, 46.7550



1.5602, 2.1644, 3.4675

Inverse Universe

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



50.4084, 33.4881, 68.7752



61.5561, 36.9886, 85.4767



51.8435, 51.3304, 23.0965



14.9263, 14.5877, 17.8123



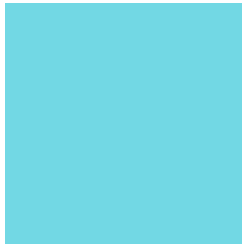
24.7951, 12.0523, 34.1458



1.8512, 0.8982, 2.6227

Previews

White Background



This preview shows how the XYZ color 45.4989, 58.2906, 82.2520 looks on a white background.

Color Contrast Check

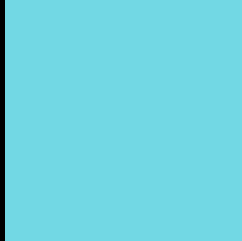
Large Text (above 18pt) WCAG AA × Fail

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 45.4989, 58.2906, 82.2520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

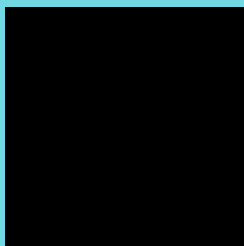
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

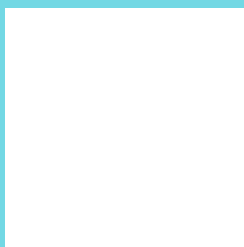
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4989, 58.2906, 82.2520

Background



This preview shows how black text looks on a background with the XYZ color 45.4989, 58.2906, 82.2520.

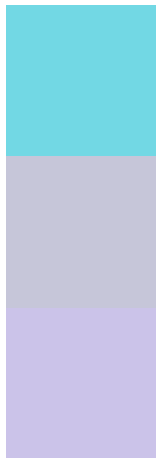


This preview shows how white text looks on a background with the XYZ color 45.4989, 58.2906,

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

45.4989, 58.2906, 82.2520

Protanopia

56.0072, 57.4037, 73.7738

Deuteranopia

58.8517, 57.6099, 85.1088



Tritanopia

46.2109, 58.1971, 85.8884

Trichromacy



Original Color

45.4989, 58.2906, 82.2520



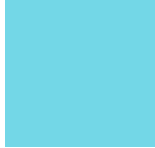
Protanomaly

50.8188, 57.0986, 76.7493



Deuteranomaly

52.5743, 57.1393, 83.8593



Tritanomaly

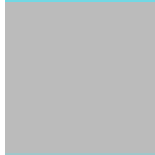
45.7945, 58.0152, 84.3857

Monochromacy



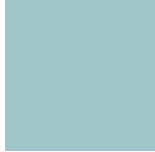
Original Color

45.4989, 58.2906, 82.2520



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

45.3520, 52.1260, 63.5481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4989, 58.2906, 82.2520 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(114, 216, 228)` looks like.

```
.text, #text, p{  
    color:rgb(114, 216, 228)  
}
```

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(114, 216, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 216, 228) }
```

Border

The CSS property to change the border of an element to XYZ 45.4989, 58.2906, 82.2520 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(114, 216, 228) }
```


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

```
.border{ border-color:rgb(114, 216, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 216, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 216, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 216, 228);  
box-shadow:4px 4px 4px 4px rgb(114, 216,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4989, 58.2906, 82.2520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 216, 228) }
```

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

```
.background{ background-color: rgb(114,  
216, 228) }
```

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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