

Converting Colors

XYZ(28.5285, 35.7592, 69.6886)

Have a look what the booklet for
XYZ(28.5285, 35.7592, 69.6886)
contains.

XYZ(28.5285, 35.7592, 69.6886)	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(28.5285, 35.7592,
69.6886)**

Conversions

Conversions Part 1

Format	Color
Hex	2EAED7
RGB	46, 174, 215
RGB Percent	18%, 68%, 84%
CMY	0.8196, 0.3176, 0.1569
CMYK	0.79, 0.19, 0.00, 0.16
HSL	195°, 68%, 51%
HSV	195°, 79%, 84%
XYZ	28.5285, 35.7592, 69.6886
YIQ	140.4020, -89.4490, -14.3850

Conversions

Conversions Part 2

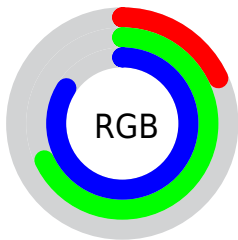
Format	Color
R _Y B	46, 119, 215
Decimal	3059415
CIE Lab	66.34, -20.12, -30.40
CIE LCh	66, 36.456, 236.499
Yxy	35.7592, 0.2129, 0.2669
Android (android.graphics.Color)	4281249495 (0xFF2EAED7)
YUV	140.4020, 36.7768, -82.7906
Hunter-Lab	59.7990, -19.4907, -27.2361

Details

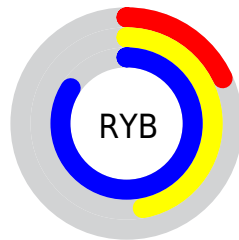
The XYZ color **28.5285, 35.7592, 69.6886** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **31.9274, 21.4632, 5.0463**, and the grayscale version is **24.9719, 26.2724, 28.6106**.

A 20% lighter version of the original color is **53.8180, 67.6652, 104.8319**, and **13.1825, 16.2128, 35.6923** is the 20% darker color. If you saturate the color by 10%, you get **26.8031, 33.4032, 69.3255**, and if you desaturate by 10%, it is **30.7800, 38.4457, 70.0892**.

Distribution



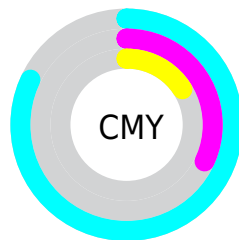
- Red (18%)
- Green (68%)
- Blue (84%)



- Red (18%)
- Yellow (47%)
- Blue (84%)



- Cyan (79%)
- Magenta (19%)
- Yellow (0%)
- Black (16%)



- Cyan (82%)
- Magenta (32%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5285, 35.7592, 69.6886 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 28.5285, 35.7592, 69.6886 by changing the saturation by 10% instead.

■ 28.5285, 35.7592,
69.6886

■ 28.5285, 35.7592,
69.6886

287.0182,
327.9068, 478.2154

■ 18.8669, 24.2483,
50.7975

■ 56.7299, 68.6602,
120.4415

■ 11.6776, 15.5179,
35.6718

■ 76.0004, 90.8191,
153.1404

■ 6.5952, 9.1837,
23.8932

■ 99.2046, 117.2962,
191.2789

■ 3.2543, 4.8612,
15.0429

■ 126.7078,
148.4757, 235.2757

■ 1.2896, 2.1660,
8.7026

■ 158.8754,
184.7421, 285.5491

■ 0.1754, 0.7014,
4.4535

196.0728,

■ 0.0000, 0.0000,

226.4799, 342.5179

1.8773

238.6653,
274.0733, 406.6005

■ 0.0000, 0.0000,
0.4782

■ 0.0000, 0.0000,
0.0000

■ 28.5285, 35.7592,
69.6886

■ 28.5285, 35.7592,
69.6886

■ 26.8031, 33.4032,
69.3255

■ 30.7800, 38.4457,
70.0892

■ 25.5022, 31.3229,
68.9925

■ 33.6181, 41.4928,
70.5278

■ 25.3344, 31.0433,
68.9474

■ 37.0985, 44.9304,
71.0078

■ 41.2693, 48.7839,
71.5318

■ 46.1738, 53.0762,
72.1018

■ 51.8516, 57.8283,
72.7198

■ 58.3393, 63.0598,
73.3876

■ 65.6713, 68.7889,
74.1070

■ 73.8797, 75.0327,
74.8796

Harmonies

Analogous

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



25.4497, 35.7592, 53.9122



28.5285, 35.7592, 69.6886



33.3525, 35.7592, 77.2072

Triad

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



28.5285, 35.7592, 69.6886



45.5511, 35.7592, 40.7962



29.5256, 35.7592, 17.7874

Complementary

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



28.5285, 35.7592, 69.6886



31.9274, 21.4632, 5.0463

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.



34.6316, 35.7592, 16.0137



28.5285, 35.7592, 69.6886



44.2499, 35.7592, 27.0264

Square

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



28.5285, 35.7592, 69.6886



43.4917, 35.7592, 57.9501



40.1031, 35.7592, 18.8961



25.9807, 35.7592, 24.6149

Rectangle

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



28.5285, 35.7592, 69.6886



37.0504, 35.7592, 75.3609



40.1031, 35.7592, 18.8961



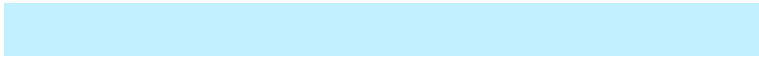
31.0993, 35.7592, 16.6747

Sweetspot

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



28.5297, 35.7605, 69.6895



71.4516, 81.0725, 106.4904



27.0855, 49.8456, 16.8809



14.6721, 16.8273, 22.7246



0.0000, 0.0000, 0.0000



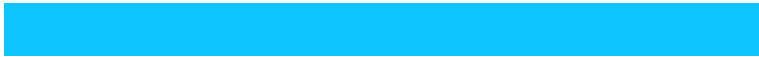
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.5297, 35.7605, 69.6895



38.1830, 47.1862, 101.7031



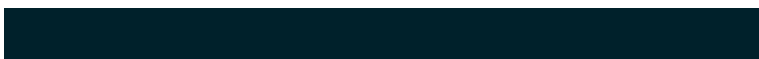
17.1410, 12.9830, 65.8932



12.5251, 13.5736, 15.8973



15.2393, 18.7404, 41.2672



0.9817, 1.2554, 2.5099

Inverse Universe

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



36.6424, 19.4584, 41.8701



51.4754, 25.6343, 54.9650



42.8812, 43.3708, 8.6976



12.8182, 12.5788, 14.9830



20.7510, 10.2367, 21.7904



1.2832, 0.6301, 1.4806

Previews

White Background



This preview shows how the XYZ color 28.5285, 35.7592, 69.6886 looks on a white background.

Color Contrast Check

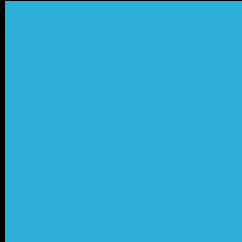
Large Text (above 18pt) WCAG AA × Fail

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 28.5285, 35.7592, 69.6886 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

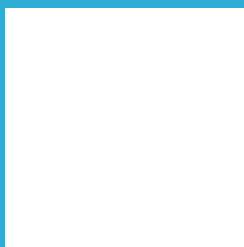
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5285, 35.7592, 69.6886

Background



This preview shows how black text looks on a background with the XYZ color 28.5285, 35.7592, 69.6886.

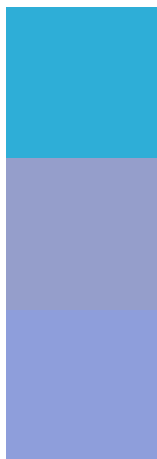


This preview shows how white text looks on a background with the XYZ color 28.5285, 35.7592,

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

28.5285, 35.7592, 69.6886

Protanopia

35.4008, 35.1551, 61.4197

Deuteranopia

36.1684, 35.3190, 71.9288



Tritanopia

25.6008, 35.7321, 55.4169

Trichromacy



Original Color

28.5285, 35.7592, 69.6886

Protanomaly

31.2200, 34.5007, 64.0453

Deuteranomaly

31.9938, 34.7387, 71.3487

Tritanomaly

26.5484, 35.8211, 60.1585

Monochromacy



Original Color

28.5285, 35.7592, 69.6886

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.1471, 28.3107, 40.7510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5285, 35.7592, 69.6886 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(46, 174, 215)` looks like.

```
.text, #text, p{  
  color:rgb(46, 174, 215)  
}
```

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(46, 174, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 174, 215) }
```

Border

The CSS property to change the border of an element to XYZ 28.5285, 35.7592, 69.6886 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(46, 174, 215) }
```


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

```
.border{ border-color:rgb(46, 174, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 174, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 174, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 174, 215);  
box-shadow:4px 4px 4px 4px rgb(46, 174,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5285, 35.7592, 69.6886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 174, 215) }
```

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

```
.background{ background-color: rgb(46, 174,  
215) }
```

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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