

Converting Colors

XYZ(29.9137, 39.1204, 61.9947)

Have a look what the booklet for
XYZ(29.9137, 39.1204, 61.9947)
contains.

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Color

**XYZ(29.8429, 38.9854,
61.8292)**

Conversions

Conversions Part 1

Format	Color
Hex	45B6CA
RGB	69, 182, 202
RGB Percent	27%, 71%, 79%
CMY	0.7294, 0.2863, 0.2078
CMYK	0.66, 0.10, 0.00, 0.21
HSL	189°, 56%, 53%
HSV	189°, 66%, 79%
XYZ	29.8429, 38.9854, 61.8292
YIQ	150.4930, -73.7680, -17.7360

Conversions

Conversions Part 2

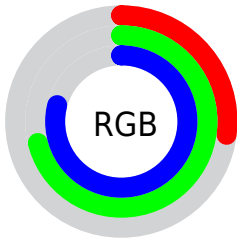
Format	Color
RYB	69, 130, 202
Decimal	4568778
CIELab	68.74, -25.42, -19.51
CIELCh	69, 32.050, 217.507
Yxy	38.9854, 0.2284, 0.2984
Android (android.graphics.Color)	4282758858 (0xFF45B6CA)
YUV	150.4930, 25.3930, -71.4694
Hunter-Lab	62.4383, -23.9514, -15.0048

Details

The XYZ color **29.8429, 38.9854, 61.8292** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **29.0048, 20.1323, 7.9887**, and the grayscale version is **29.1182, 30.6346, 33.3611**.

A 20% lighter version of the original color is **58.1403, 73.2746, 105.6868**, and **13.1956, 17.8386, 30.7647** is the 20% darker color. If you saturate the color by 10%, you get **28.0313, 37.1388, 61.5690**, and if you desaturate by 10%, it is **32.1580, 41.1133, 62.1186**.

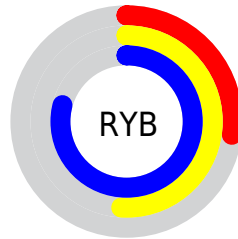
Distribution



Red (27%)

Green (71%)

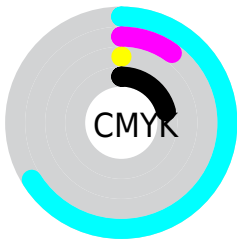
Blue (79%)



Red (27%)

Yellow (51%)

Blue (79%)

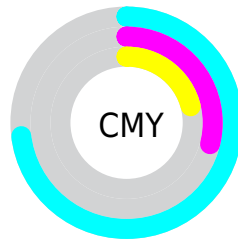


Cyan (66%)

Magenta (10%)

Yellow (0%)

Black (21%)



Cyan (73%)

Magenta (29%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8429, 38.9854, 61.8292 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 29.8429, 38.9854, 61.8292 by changing the saturation by 10% instead.

■ 29.8429, 38.9854,
61.8292

■ 29.8429, 38.9854,
61.8292

293.0945,
341.8284, 449.2982

■ 19.8669, 26.7484,
44.4598

■ 58.8020, 73.6160,
109.0478

■ 12.4060, 17.3843,
30.6923

■ 78.5157, 96.7784,
139.7342

■ 7.0950, 10.5089,
20.1082

■ 102.2061,
124.3513, 175.6965

■ 3.5684, 5.7376,
12.2888

■ 130.2384,
156.7192, 217.3535

■ 1.4610, 2.6862,
6.8158

■ 162.9781,
194.2665, 265.1236

■ 0.2991, 0.9702,
3.2705

200.7904,

■ 0.0000, 0.0000,

237.3775, 319.4254

1.2343

244.0407,
286.4367, 380.6775

■ 0.0000, 0.0000,
0.0071

■ 0.0000, 0.0000,
0.0000

■ 29.8429, 38.9854,
61.8292

■ 29.8429, 38.9854,
61.8292

■ 28.0313, 37.1388,
61.5690

■ 32.1580, 41.1133,
62.1186

■ 26.6676, 35.5422,
61.3327

■ 35.0177, 43.5412,
62.4365

■ 25.6886, 34.1636,
61.1182

■ 38.4627, 46.2912,
62.7858

■ 25.3422, 33.6271,
61.0329

■ 42.5291, 49.3819,
63.1680

■ 47.2498, 52.8304,
63.5848

■ 52.6553, 56.6526,
64.0377

■ 58.7744, 60.8635,
64.5280

■ 65.6341, 65.4769,
65.0569

■ 73.2599, 70.5064,
65.6258

Harmonies

Analogous

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



28.2010, 38.9854, 46.2034



29.8429, 38.9854, 61.8292



33.4467, 38.9854, 73.8421

Triad

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



29.8429, 38.9854, 61.8292



46.8167, 38.9854, 54.0576



35.7947, 38.9854, 20.3398

Complementary

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



29.8429, 38.9854, 61.8292



29.0048, 20.1323, 7.9887

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.



40.9128, 38.9854, 21.5165



29.8429, 38.9854, 61.8292



47.5904, 38.9854, 38.9027

Square

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



29.8429, 38.9854, 61.8292



43.3161, 38.9854, 68.6884



45.3432, 38.9854, 27.6109



31.4274, 38.9854, 23.9209

Rectangle

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



29.8429, 38.9854, 61.8292



36.6317, 38.9854, 76.9195



45.3432, 38.9854, 27.6109



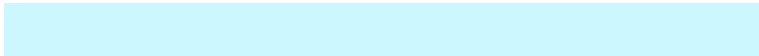
37.4804, 38.9854, 20.2097

Sweetspot

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



29.8441, 38.9868, 61.8301



76.3139, 86.7815, 107.3361



25.3770, 44.2277, 16.6410



15.8529, 18.2220, 22.9316



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.



29.8441, 38.9868, 61.8301



46.3935, 61.6843, 104.0688



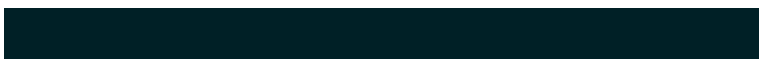
19.3099, 17.9184, 58.3187



11.3940, 12.4284, 14.3688



16.3592, 21.7424, 39.2908



0.8839, 1.2016, 2.0403

Inverse Universe

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



34.9298, 20.1915, 46.3138



56.0890, 29.2769, 73.7199



37.2289, 36.5805, 10.7301



11.6122, 11.3736, 13.7585



20.4683, 9.9979, 25.9824



1.0761, 0.5239, 1.4467

Previews

White Background



This preview shows how the XYZ color 29.8429, 38.9854, 61.8292 looks on a white background.

Color Contrast Check

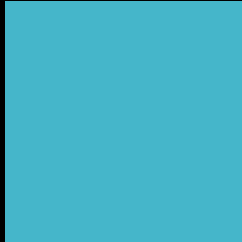
Large Text (above 18pt) WCAG AA × Fail

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 29.8429, 38.9854, 61.8292 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 29.8429, 38.9854, 61.8292

Background



This preview shows how black text looks on a background with the XYZ color 29.8429, 38.9854, 61.8292.



This preview shows how white text looks on a background with the XYZ color 29.8429, 38.9854,

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

29.8429, 38.9854, 61.8292

Protanopia

37.7594, 38.3532, 54.7030

Deuteranopia

39.3420, 38.4371, 63.7381



Tritanopia

29.4413, 39.1375, 59.4287

Trichromacy



Original Color

29.8429, 38.9854, 61.8292



Protanomaly

33.3153, 37.6551, 57.1420



Deuteranomaly

34.4474, 37.8244, 63.2429



Tritanomaly

29.6262, 39.2194, 60.0415

Monochromacy



Original Color

29.8429, 38.9854, 61.8292



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

27.9669, 32.7702, 42.3874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8429, 38.9854, 61.8292 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(69, 182, 202)` looks like.

```
.text, #text, p{  
    color:rgb(69, 182, 202)  
}
```

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(69, 182, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 182, 202) }
```

Border

The CSS property to change the border of an element to XYZ 29.8429, 38.9854, 61.8292 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(69, 182, 202) }
```


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

```
.border{ border-color:rgb(69, 182, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 182, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 182, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 182, 202);  
box-shadow:4px 4px 4px 4px rgb(69, 182,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8429, 38.9854, 61.8292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 182, 202) }
```

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

```
.background{ background-color: rgb(69, 182,  
202) }
```

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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