

Converting Colors

XYZ(28.5216, 35.6623, 59.2501)

Have a look what the booklet for
XYZ(28.5216, 35.6623, 59.2501)
contains.

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Color

**XYZ(28.5606, 35.7161,
59.4214)**

Conversions

Conversions Part 1

Format	Color
Hex	50ADC7
RGB	80, 173, 199
RGB Percent	31%, 68%, 78%
CMY	0.6863, 0.3216, 0.2196
CMYK	0.60, 0.13, 0.00, 0.22
HSL	193°, 52%, 55%
HSV	193°, 60%, 78%
XYZ	28.5606, 35.7161, 59.4214
YIQ	148.1570, -63.7740, -11.6300

Conversions

Conversions Part 2

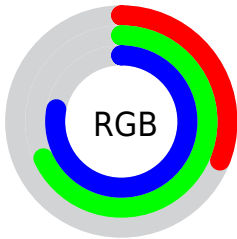
Format	Color
RYB	80, 132, 199
Decimal	5287367
CIELab	66.30, -19.85, -21.54
CIELCh	66, 29.293, 227.332
Yxy	35.7161, 0.2309, 0.2887
Android (android.graphics.Color)	4283477447 (0xFF50ADC7)
YUV	148.1570, 25.0656, -59.7737
Hunter-Lab	59.7629, -19.2803, -17.1171

Details

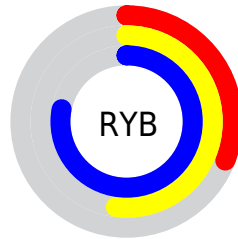
The XYZ color **28.5606, 35.7161, 59.4214** is a light color, and the websafe version is hex **0099CC**. The color can be described as light muted azure. A complement of this color would be **30.1561, 23.0305, 10.4465**, and the grayscale version is **28.1327, 29.5978, 32.2320**.

A 20% lighter version of the original color is **56.7168, 68.7476, 104.8881**, and **11.8273, 15.4773, 29.1521** is the 20% darker color. If you saturate the color by 10%, you get **26.3026, 33.3352, 59.0815**, and if you desaturate by 10%, it is **31.3455, 38.4104, 59.7953**.

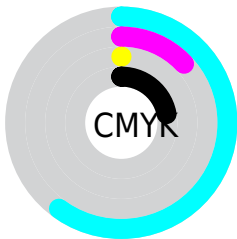
Distribution



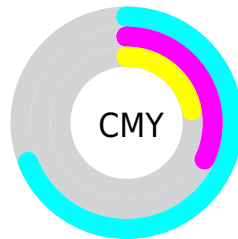
- Red (31%)
- Green (68%)
- Blue (78%)



- Red (31%)
- Yellow (52%)
- Blue (78%)



- Cyan (60%)
- Magenta (13%)
- Yellow (0%)
- Black (22%)



- Cyan (69%)
- Magenta (32%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5606, 35.7161, 59.4214 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 28.5606, 35.7161, 59.4214 by changing the saturation by 10% instead.

■ 28.5606, 35.7161,
59.4214

■ 28.5606, 35.7161,
59.4214

287.1678,
327.7180, 440.2071

■ 18.8913, 24.2150,
42.5302

■ 56.7806, 68.5936,
105.5250

■ 11.6953, 15.4932,
29.1880

■ 76.0621, 90.7389,
135.5745

■ 6.6073, 9.1662,
18.9763

■ 99.2782, 117.2010,
170.8472

■ 3.2619, 4.8498,
11.4765

■ 126.7945,
148.3643, 211.7616

■ 1.2937, 2.1594,
6.2701

158.9763,
184.6133, 258.7362

■ 0.1785, 0.6977,
2.9386

196.1888,

■ 0.0000, 0.0000,

226.3323, 312.1896

1.0634

238.7976,
273.9057, 372.5404

■ 0.0000, 0.0000,
0.0000

■ 28.5606, 35.7161,
59.4214

■ 28.5606, 35.7161,
59.4214

■ 26.3026, 33.3352,
59.0815

■ 31.3455, 38.4104,
59.7953

■ 24.5225, 31.2397,
58.7709

■ 34.6940, 41.4352,
60.2027

■ 23.1674, 29.4029,
58.4878

■ 38.6433, 44.8108,
60.6461

■ 22.1373, 27.7728,
58.2274

■ 43.2264, 48.5544,
61.1271

■ 22.1174, 27.7406,
58.2222

■ 48.4739, 52.6823,
61.6473

■ 54.4142, 57.2095,
62.2081

■ 61.0741, 62.1500,
62.8107

■ 68.4789, 67.5174,
63.4564

■ 75.1257, 72.5371,
64.0750

Harmonies

Analogous

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



26.5356, 35.7161, 46.5137



28.5606, 35.7161, 59.4214



32.1360, 35.7161, 67.4367

Triad

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



28.5606, 35.7161, 59.4214



42.8305, 35.7161, 44.4132



31.5030, 35.7161, 20.1313

Complementary

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



28.5606, 35.7161, 59.4214



30.1561, 23.0305, 10.4465

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.



35.8249, 35.7161, 19.8060



28.5606, 35.7161, 59.4214



42.6241, 35.7161, 32.1463

Square

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



28.5606, 35.7161, 59.4214



40.5135, 35.7161, 57.6020



39.9715, 35.7161, 23.7321



28.1316, 35.7161, 24.7431

Rectangle

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



28.5606, 35.7161, 59.4214



35.0316, 35.7161, 68.0003



39.9715, 35.7161, 23.7321



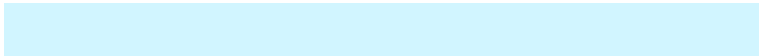
32.8852, 35.7161, 19.5587

Sweetspot

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



28.5617, 35.7174, 59.4223



77.0166, 86.0775, 107.1632



26.3229, 43.5893, 20.6042



15.9410, 17.9887, 22.8819



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.



28.5617, 35.7174, 59.4223



44.9495, 57.1178, 103.2635



19.6036, 17.8011, 56.4362



10.7425, 11.6591, 13.6017



14.2886, 17.9710, 37.4600



0.7268, 0.9513, 1.7905

Inverse Universe

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



33.9656, 20.8977, 41.7799



55.7699, 30.7180, 67.2033



38.5084, 39.7350, 13.2306



10.9801, 10.7754, 12.8783



19.0115, 9.3542, 21.0684



0.9255, 0.4531, 1.1310

Previews

White Background



This preview shows how the XYZ color 28.5606, 35.7161, 59.4214 looks on a white background.

Color Contrast Check

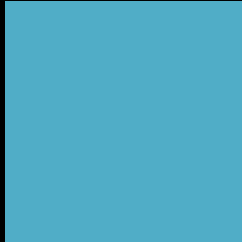
Large Text (above 18pt) WCAG AA × Fail

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 28.5606, 35.7161, 59.4214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

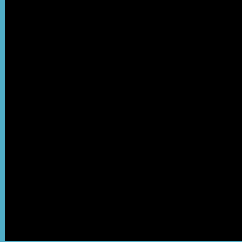
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.5606, 35.7161, 59.4214

Background



This preview shows how black text looks on a background with the XYZ color 28.5606, 35.7161, 59.4214.



This preview shows how white text looks on a background with the XYZ color 28.5606, 35.7161,

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

28.5606, 35.7161, 59.4214

Protanopia

34.9099, 35.3404, 53.1255

Deuteranopia

36.0441, 35.2482, 60.7810



Tritanopia

27.4958, 35.8706, 53.6186

Trichromacy



Original Color

28.5606, 35.7161, 59.4214

Protanomaly

31.6535, 34.9132, 55.5227

Deuteranomaly

32.3922, 34.9235, 60.2920

Tritanomaly

27.8223, 35.7001, 55.8765

Monochromacy



Original Color

28.5606, 35.7161, 59.4214

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.2004, 31.1149, 41.1314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5606, 35.7161, 59.4214 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(80, 173, 199)` looks like.

```
.text, #text, p{  
    color:rgb(80, 173, 199)  
}
```

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(80, 173, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 173, 199) }
```

Border

The CSS property to change the border of an element to XYZ 28.5606, 35.7161, 59.4214 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(80, 173, 199) }
```


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

```
.border{ border-color:rgb(80, 173, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 173, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 173, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 173, 199);  
box-shadow:4px 4px 4px 4px rgb(80, 173,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5606, 35.7161, 59.4214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 173, 199) }
```

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

```
.background{ background-color: rgb(80, 173,  
199) }
```

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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