

Converting Colors

XYZ(28.8424, 35.5904, 61.2266)

Have a look what the booklet for
XYZ(28.8424, 35.5904, 61.2266)
contains.

XYZ(28.8065, 35.5186, 61.2146)	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(28.8065, 35.5186,
61.2146)**

Conversions

Conversions Part 1

Format	Color
Hex	51ACCA
RGB	81, 172, 202
RGB Percent	32%, 67%, 79%
CMY	0.6823, 0.3255, 0.2078
CMYK	0.60, 0.15, 0.00, 0.21
HSL	195°, 53%, 55%
HSV	195°, 60%, 79%
XYZ	28.8065, 35.5186, 61.2146
YIQ	148.2110, -63.8660, -9.9620

Conversions

Conversions Part 2

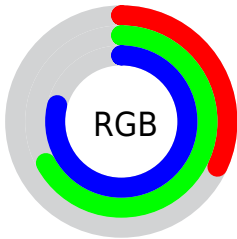
Format	Color
R_{YB}	81, 133, 202
Decimal	5352650
CIE _{Lab}	66.15, -18.24, -23.43
CIE _{LCh}	66, 29.692, 232.098
Yxy	35.5186, 0.2295, 0.2829
Android (android.graphics.Color)	4283542730 (0xFF51ACCA)
YUV	148.2110, 26.5180, -58.9440
Hunter-Lab	59.5975, -18.0175, -19.1805

Details

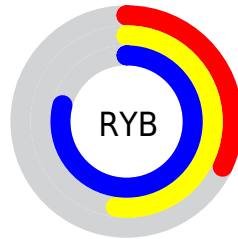
The XYZ color **28.8065, 35.5186, 61.2146** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **31.5278, 24.5208, 10.8571**, and the grayscale version is **28.1494, 29.6153, 32.2511**.

A 20% lighter version of the original color is **56.3343, 67.7336, 104.7125**, and **12.0618, 15.5711, 30.3868** is the 20% darker color. If you saturate the color by 10%, you get **26.3910, 32.8856, 60.8344**, and if you desaturate by 10%, it is **31.7750, 38.4915, 61.6326**.

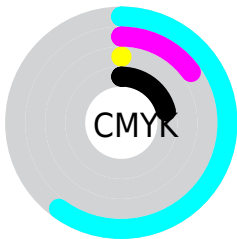
Distribution



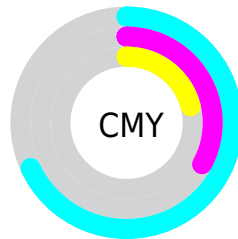
- Red (32%)
- Green (67%)
- Blue (79%)



- Red (32%)
- Yellow (52%)
- Blue (79%)



- Cyan (60%)
- Magenta (15%)
- Yellow (0%)
- Black (21%)



- Cyan (68%)
- Magenta (33%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8065, 35.5186, 61.2146 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 28.8065, 35.5186, 61.2146 by changing the saturation by 10% instead.

■ 28.8065, 35.5186,
61.2146

■ 28.8065, 35.5186,
61.2146

288.3116,
326.8515, 446.9887

■ 19.0780, 24.0626,
43.9667

■ 57.1692, 68.2884,
108.1502

■ 11.8310, 15.3801,
30.3073

■ 76.5341, 90.3710,
138.6749

■ 6.7001, 9.0866,
19.8179

■ 99.8420, 116.7646,
174.4623

■ 3.3199, 4.7977,
12.0800

■ 127.4580,
147.8536, 215.9310

■ 1.3251, 2.1291,
6.6750

159.7476,
184.0224, 263.4994

■ 0.2019, 0.6809,
3.1843

197.0762,

■ 0.0000, 0.0000,

225.6554, 317.5861

1.1895

239.8091,
273.1370, 378.6097

■ 0.0000, 0.0000,
0.0000

■ 28.8065, 35.5186,
61.2146

■ 28.8065, 35.5186,
61.2146

■ 26.3910, 32.8856,
60.8344

■ 31.7750, 38.4915,
61.6326

■ 24.4775, 30.5634,
60.4870

■ 35.3349, 41.8224,
62.0879

■ 23.0108, 28.5237,
60.1706

■ 39.5248, 45.5326,
62.5832

■ 21.8866, 26.7122,
59.8802

■ 44.3793, 49.6403,
63.1203

■ 21.8758, 26.6943,
59.8773

■ 49.9300, 54.1626,
63.7006

■ 56.2067, 59.1152,
64.3257

■ 63.2372, 64.5131,
64.9971

■ 71.0481, 70.3704,
65.7160

■ 76.7335, 75.1896,
66.3465

Harmonies

Analogous

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



26.4863, 35.5186, 48.5639



28.8065, 35.5186, 61.2146



32.6053, 35.5186, 68.1129

Triad

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



28.8065, 35.5186, 61.2146



42.8891, 35.5186, 42.1147



30.6643, 35.5186, 20.2323

Complementary

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



28.8065, 35.5186, 61.2146



31.5278, 24.5208, 10.8571

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.



34.9404, 35.5186, 19.2390



28.8065, 35.5186, 61.2146



42.2551, 35.5186, 30.2266

Square

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



28.8065, 35.5186, 61.2146



40.9136, 35.5186, 55.6215



39.2497, 35.5186, 22.4818



27.4919, 35.5186, 25.5742

Rectangle

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



28.8065, 35.5186, 61.2146



35.5707, 35.5186, 67.6629



39.2497, 35.5186, 22.4818



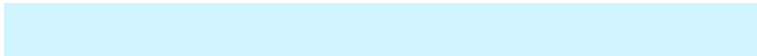
32.0106, 35.5186, 19.4338

Sweetspot

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



28.8077, 35.5199, 61.2155



76.6092, 85.2628, 107.0274



27.2878, 45.1004, 21.8024



15.8406, 17.7880, 22.8485



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.



28.8077, 35.5199, 61.2155



43.5963, 54.4114, 102.8124



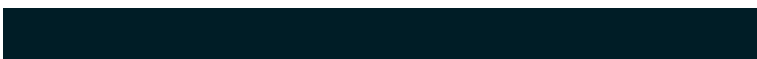
19.9901, 17.8848, 58.2763



11.2986, 12.2375, 14.3370



14.1501, 17.3241, 38.5544



0.7876, 1.0089, 2.0082

Inverse Universe

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



34.7469, 21.4211, 41.3343



55.0869, 30.4448, 63.6064



40.1681, 41.8013, 13.7372



11.5641, 11.3544, 13.5049



19.3532, 9.5519, 20.1104



1.0275, 0.5044, 1.1905

Previews

White Background



This preview shows how the XYZ color 28.8065, 35.5186, 61.2146 looks on a white background.

Color Contrast Check

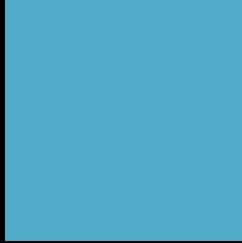
Large Text (above 18pt) WCAG AA × Fail

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 28.8065, 35.5186, 61.2146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

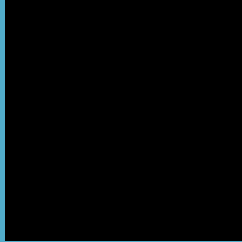
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.8065, 35.5186, 61.2146

Background



This preview shows how black text looks on a background with the XYZ color 28.8065, 35.5186, 61.2146.

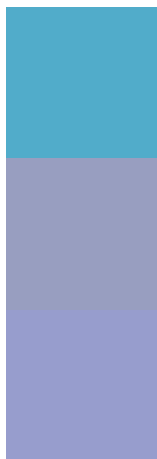


This preview shows how white text looks on a background with the XYZ color 28.8065, 35.5186,

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

28.8065, 35.5186, 61.2146

Protanopia

34.6902, 34.9349, 54.7839

Deuteranopia

35.8389, 35.1010, 62.6439



Tritanopia

27.1148, 35.3988, 52.9805

Trichromacy



Original Color

28.8065, 35.5186, 61.2146

Protanomaly

31.6652, 34.6155, 57.2371

Deuteranomaly

32.4236, 34.6359, 62.1032

Tritanomaly

27.6298, 35.3152, 55.8123

Monochromacy



Original Color

28.8065, 35.5186, 61.2146

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.4370, 31.2262, 41.6270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8065, 35.5186, 61.2146 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(81, 172, 202)` looks like.

```
.text, #text, p{  
    color:rgb(81, 172, 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(81, 172, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 172, 202) }
```

Border

The CSS property to change the border of an element to XYZ 28.8065, 35.5186, 61.2146 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(81, 172, 202) }
```


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

```
.border{ border-color:rgb(81, 172, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 172, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 172, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 172, 202);  
box-shadow:4px 4px 4px 4px rgb(81, 172,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8065, 35.5186, 61.2146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 172, 202) }
```

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

```
.background{ background-color: rgb(81, 172,  
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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