

Converting Colors

XYZ(29.2389, 33.7960, 65.6404)

Have a look what the booklet for
XYZ(29.2389, 33.7960, 65.6404)
contains.

XYZ(29.2078, 33.6873, 65.9356)	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(29.2078, 33.6873,
65.9356)**

Conversions

Conversions Part 1

Format	Color
Hex	59A5D2
RGB	89, 165, 210
RGB Percent	35%, 65%, 82%
CMY	0.6510, 0.3529, 0.1765
CMYK	0.58, 0.21, 0.00, 0.18
HSL	202°, 57%, 59%
HSV	202°, 58%, 82%
XYZ	29.2078, 33.6873, 65.9356
YIQ	147.4060, -59.7410, -2.1170

Conversions

Conversions Part 2

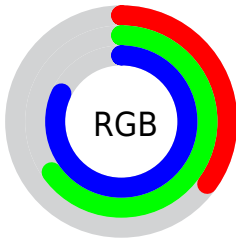
Format	Color
R_{YB}	89, 136, 210
Decimal	5875154
CIE _{Lab}	64.71, -10.49, -30.04
CIE _{LCh}	65, 31.825, 250.746
Yxy	33.6873, 0.2267, 0.2615
Android (android.graphics.Color)	4284065234 (0xFF59A5D2)
YUV	147.4060, 30.8588, -51.2221
Hunter-Lab	58.0408, -11.7449, -26.7262

Details

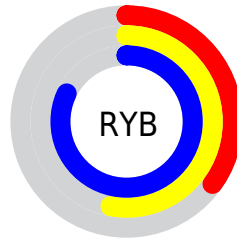
The XYZ color **29.2078, 33.6873, 65.9356** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **36.9077, 31.4744, 13.5824**, and the grayscale version is **27.7962, 29.2438, 31.8465**.

A 20% lighter version of the original color is **55.6758, 64.6094, 104.1442**, and **12.0026, 14.2702, 33.1322** is the 20% darker color. If you saturate the color by 10%, you get **26.1068, 30.0615, 65.3998**, and if you desaturate by 10%, it is **32.9717, 37.7839, 66.5286**.

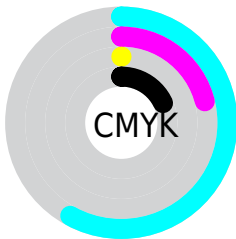
Distribution



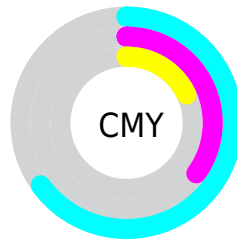
- Red (35%)
- Green (65%)
- Blue (82%)



- Red (35%)
- Yellow (53%)
- Blue (82%)



- Cyan (58%)
- Magenta (21%)
- Yellow (0%)
- Black (18%)



- Cyan (65%)
- Magenta (35%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2078, 33.6873, 65.9356 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 29.2078, 33.6873, 65.9356 by changing the saturation by 10% instead.

■ 29.2078, 33.6873,
65.9356

■ 29.2078, 33.6873,
65.9356

290.1707,
318.7355, 464.5445

■ 19.3831, 22.6535,
47.7640

■ 57.8024, 65.4471,
115.0200

■ 12.0531, 14.3378,
33.2813

■ 77.3030, 86.9419,
146.7699

■ 6.8523, 8.3560,
22.0692

■ 100.7596,
112.6924, 183.8829

■ 3.4154, 4.3236,
13.7089

■ 128.5376,
143.0831, 226.7777

■ 1.3771, 1.8562,
7.7821

161.0024,
178.4984, 275.8726

■ 0.2398, 0.5218,
3.8701

198.5193,

■ 0.0000, 0.0000,

219.3226, 331.5864

1.5543

241.4536,
265.9402, 394.3375

■ 0.0000, 0.0000,
0.2579

■ 0.0000, 0.0000,
0.0000

■ 29.2078, 33.6873,
65.9356

■ 29.2078, 33.6873,
65.9356

■ 26.1068, 30.0615,
65.3998

■ 32.9717, 37.7839,
66.5286

■ 23.6136, 26.8738,
64.9160

■ 37.4412, 42.3734,
67.1789

■ 21.6687, 24.0920,
64.4815

■ 42.6587, 47.4807,
67.8897

■ 20.1880, 21.6702,
64.0921

■ 48.6625, 53.1274,
68.6632

■ 19.8709, 21.1290,
64.0043

■ 55.4880, 59.3340,
69.5014

■ 63.1682, 66.1194,
70.4064

■ 71.7344, 73.5017,
71.3798

■ 80.4742, 81.1156,
72.3888

■ 82.6651, 85.4974,
73.1191

Harmonies

Analogous

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



25.8124, 33.6873, 55.6790



29.2078, 33.6873, 65.9356



33.6853, 33.6873, 67.3744

Triad

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



29.2078, 33.6873, 65.9356



41.4507, 33.6873, 32.1847



26.6191, 33.6873, 20.7270

Complementary

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



29.2078, 33.6873, 65.9356



36.9077, 31.4744, 13.5824

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.



30.4081, 33.6873, 17.0950



29.2078, 33.6873, 65.9356



39.1478, 33.6873, 22.5841

Square

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



29.2078, 33.6873, 65.9356



41.0512, 33.6873, 45.6194



35.0045, 33.6873, 17.6824



24.4191, 33.6873, 28.9916

Rectangle

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



29.2078, 33.6873, 65.9356



36.7243, 33.6873, 62.8369



35.0045, 33.6873, 17.6824



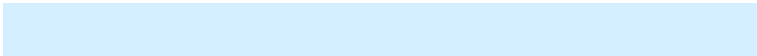
27.7334, 33.6873, 19.0243

Sweetspot

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



29.2089, 33.6885, 65.9364



75.9314, 82.8267, 106.5929



31.4265, 49.9215, 30.3042



15.8233, 17.3309, 22.7612



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.



29.2089, 33.6885, 65.9364



39.5978, 45.5227, 101.3075



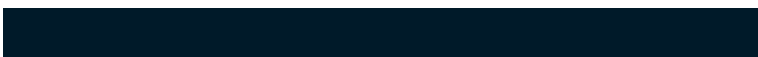
20.8190, 16.9087, 63.1398



11.7735, 12.6372, 15.0624



12.2200, 13.0865, 39.0744



0.7579, 0.8811, 2.2097

Inverse Universe

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



36.9432, 23.5642, 38.1998



53.2863, 30.5578, 51.5555



47.6445, 52.9481, 17.1613



12.1166, 11.9314, 13.8896



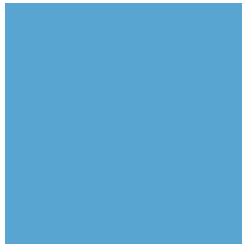
18.7988, 9.3924, 14.3786



1.0888, 0.5402, 1.0024

Previews

White Background



This preview shows how the XYZ color 29.2078, 33.6873, 65.9356 looks on a white background.

Color Contrast Check

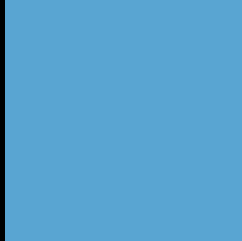
Large Text (above 18pt) WCAG AA × Fail

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 29.2078, 33.6873, 65.9356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

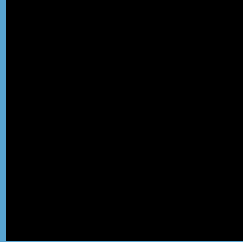
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.2078, 33.6873, 65.9356

Background



This preview shows how black text looks on a background with the XYZ color 29.2078, 33.6873, 65.9356.

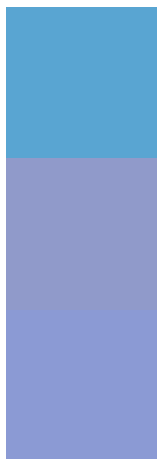


This preview shows how white text looks on a background with the XYZ color 29.2078, 33.6873,

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

29.2078, 33.6873, 65.9356

Protanopia

33.7179, 33.3048, 60.5285

Deuteranopia

34.0867, 33.3536, 66.9287



Tritanopia

26.0639, 33.7880, 49.9478

Trichromacy



Original Color

29.2078, 33.6873, 65.9356

Protanomaly

31.5585, 33.1466, 62.4922

Deuteranomaly

31.8699, 33.2218, 66.3607

Tritanomaly

27.1079, 33.6494, 55.5183

Monochromacy



Original Color

29.2078, 33.6873, 65.9356

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.4155, 30.4491, 42.4625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2078, 33.6873, 65.9356 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(89, 165, 210)` looks like.

```
.text, #text, p{  
    color:rgb(89, 165, 210)  
}
```

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(89, 165, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 165, 210) }
```

Border

The CSS property to change the border of an element to XYZ 29.2078, 33.6873, 65.9356 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(89, 165, 210) }
```


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

```
.border{ border-color:rgb(89, 165, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 165, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 165, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 165, 210);  
box-shadow:4px 4px 4px 4px rgb(89, 165,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2078, 33.6873, 65.9356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 165, 210) }
```

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

```
.background{ background-color: rgb(89, 165,  
210) }
```

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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