

Converting Colors

XYZ(28.8686, 34.0302, 62.7223)

Have a look what the booklet for
XYZ(28.8686, 34.0302, 62.7223)
contains.

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Color

**XYZ(28.9580, 34.1691,
62.8266)**

Conversions

Conversions Part 1

Format	Color
Hex	59A7CD
RGB	89, 167, 205
RGB Percent	35%, 65%, 80%
CMY	0.6510, 0.3451, 0.1961
CMYK	0.57, 0.19, 0.00, 0.20
HSL	200°, 54%, 58%
HSV	200°, 57%, 80%
XYZ	28.9580, 34.1691, 62.8266
YIQ	148.0100, -58.6860, -4.7180

Conversions

Conversions Part 2

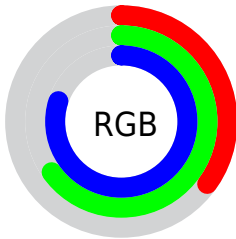
Format	Color
R_{YB}	89, 136, 205
Decimal	5875661
CIE _{Lab}	65.10, -13.11, -26.68
CIE _{LCh}	65, 29.729, 243.834
Yxy	34.1691, 0.2299, 0.2713
Android (android.graphics.Color)	4284065741 (0xFF59A7CD)
YUV	148.0100, 28.0961, -51.7518
Hunter-Lab	58.4543, -13.8671, -22.8067

Details

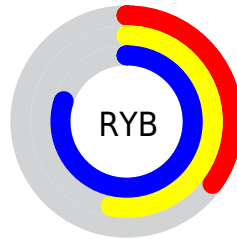
The XYZ color **28.9580, 34.1691, 62.8266** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **34.5704, 28.8804, 13.2049**, and the grayscale version is **28.0577, 29.5189, 32.1461**.

A 20% lighter version of the original color is **56.2039, 65.6656, 104.3202**, and **11.9303, 14.6060, 31.4686** is the 20% darker color. If you saturate the color by 10%, you get **26.0595, 30.8963, 62.3483**, and if you desaturate by 10%, it is **32.4703, 37.8545, 63.3535**.

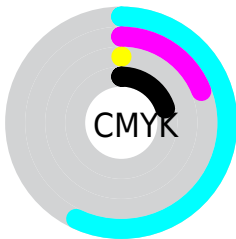
Distribution



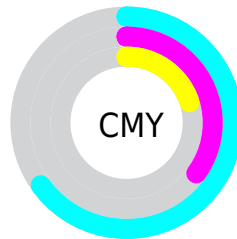
- Red (35%)
- Green (65%)
- Blue (80%)



- Red (35%)
- Yellow (53%)
- Blue (80%)



- Cyan (57%)
- Magenta (19%)
- Yellow (0%)
- Black (20%)



- Cyan (65%)
- Magenta (35%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9580, 34.1691, 62.8266 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 28.9580, 34.1691, 62.8266 by changing the saturation by 10% instead.

■ 28.9580, 34.1691,
62.8266

■ 28.9580, 34.1691,
62.8266

289.0145,
320.8854, 453.0305

■ 19.1932, 23.0235,
45.2608

■ 57.4084, 66.1965,
110.5025

■ 11.9148, 14.6109,
31.3185

■ 76.8246, 87.8472,
141.4497

■ 6.7575, 8.5468,
20.5810

■ 100.1887,
113.7684, 177.6944

■ 3.3559, 4.4468,
12.6298

■ 127.8660,
144.3444, 219.6553

■ 1.3446, 1.9265,
7.0464

160.2219,
179.9598, 267.7508

■ 0.2162, 0.5642,
3.4123

197.6217,

■ 0.0000, 0.0000,

220.9988, 322.3995

1.3088

240.4308,
267.8459, 384.0199

■ 0.0000, 0.0000,
0.0690

■ 0.0000, 0.0000,
0.0000

■ 28.9580, 34.1691,
62.8266

■ 28.9580, 34.1691,
62.8266

■ 26.0595, 30.8963,
62.3483

■ 32.4703, 37.8545,
63.3535

■ 23.7238, 28.0064,
61.9136

■ 36.6353, 41.9720,
63.9287

■ 21.8964, 25.4705,
61.5204

■ 41.4926, 46.5440,
64.5552

■ 20.5059, 23.2503,
61.1652

■ 47.0772, 51.5898,
65.2348

■ 20.0859, 22.5405,
61.0503

■ 53.4219, 57.1278,
65.9693

■ 60.5573, 63.1749,
66.7605

■ 68.5123, 69.7474,
67.6098

■ 77.3143, 76.8605,
68.5188

■ 79.8498, 80.8483,
69.1549

Harmonies

Analogous

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



26.0685, 34.1691, 52.0435



28.9580, 34.1691, 62.8266



33.0339, 34.1691, 66.2608

Triad

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



28.9580, 34.1691, 62.8266



41.4658, 34.1691, 35.6401



28.0781, 34.1691, 20.7684

Complementary

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



28.9580, 34.1691, 62.8266



34.5704, 28.8804, 13.2049

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.



31.9258, 34.1691, 18.1942



28.9580, 34.1691, 62.8266



39.8574, 34.1691, 25.4937

Square

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



28.9580, 34.1691, 62.8266



40.4959, 34.1691, 48.6811



36.2695, 34.1691, 19.7112



25.5929, 34.1691, 27.6900

Rectangle

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



28.9580, 34.1691, 62.8266



35.9414, 34.1691, 63.4073



36.2695, 34.1691, 19.7112



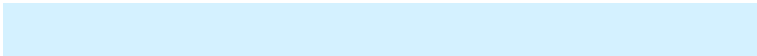
29.2421, 34.1691, 19.4451

Sweetspot

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



28.9591, 34.1704, 62.8274



76.4965, 83.9569, 106.7812



29.7009, 47.2868, 27.2119



15.9572, 17.5987, 22.8058



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.



28.9591, 34.1704, 62.8274



41.7341, 49.4741, 101.9576



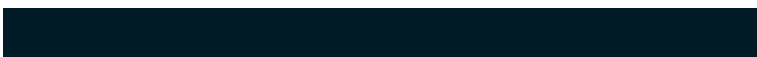
20.7452, 17.7425, 60.0895



11.2215, 12.0835, 14.3113



12.5940, 14.2119, 38.0357



0.7171, 0.8680, 1.9847

Inverse Universe

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



35.7252, 22.9151, 39.1006



54.4430, 31.3207, 56.7212



44.0660, 47.8717, 16.3701



11.5252, 11.3388, 13.3002



18.5678, 9.2377, 15.9744



0.9919, 0.4902, 1.0033

Previews

White Background



This preview shows how the XYZ color 28.9580, 34.1691, 62.8266 looks on a white background.

Color Contrast Check

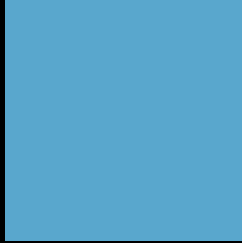
Large Text (above 18pt) WCAG AA × Fail

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 28.9580, 34.1691, 62.8266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

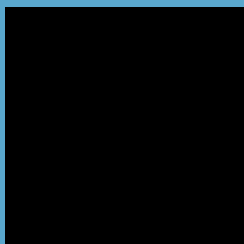
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

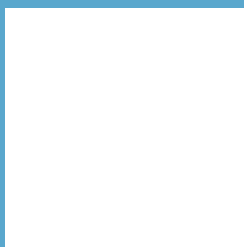
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9580, 34.1691, 62.8266

Background



This preview shows how black text looks on a background with the XYZ color 28.9580, 34.1691, 62.8266.

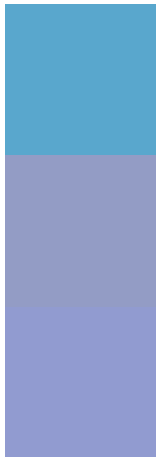


This preview shows how white text looks on a background with the XYZ color 28.9580, 34.1691,

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

28.9580, 34.1691, 62.8266

Protanopia

33.9991, 34.0112, 57.5962

Deuteranopia

34.7836, 34.0165, 64.4071



Tritanopia

26.6080, 34.3358, 50.5725

Trichromacy



Original Color

28.9580, 34.1691, 62.8266

Protanomaly

31.6003, 33.7474, 59.4920

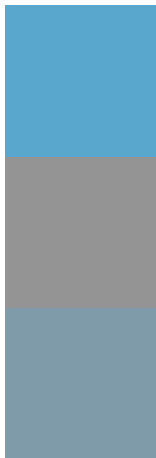
Deuteranomaly

32.1181, 33.6612, 63.8359

Tritanomaly

27.5453, 34.4400, 55.0650

Monochromacy



Original Color

28.9580, 34.1691, 62.8266

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.6352, 30.8193, 42.0283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9580, 34.1691, 62.8266 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, 167, 205)` looks like.

```
.text, #text, p{  
    color:rgb(89, 167, 205)  
}
```

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, 167, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 167, 205) }
```

Border

The CSS property to change the border of an element to XYZ 28.9580, 34.1691, 62.8266 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, 167, 205) }
```


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

```
.border{ border-color:rgb(89, 167, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 167, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 167, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 167, 205);  
box-shadow:4px 4px 4px 4px rgb(89, 167,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9580, 34.1691, 62.8266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 167, 205) }
```

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

```
.background{ background-color: rgb(89, 167,  
205) }
```

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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