

Converting Colors

XYZ(29.8535, 36.5248, 63.0683)

Have a look what the booklet for
XYZ(29.8535, 36.5248, 63.0683)
contains.

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Color

**XYZ(29.9018, 36.6112,
63.2483)**

Conversions

Conversions Part 1

Format	Color
Hex	55AECD
RGB	85, 174, 205
RGB Percent	33%, 68%, 80%
CMY	0.6666, 0.3176, 0.1961
CMYK	0.59, 0.15, 0.00, 0.20
HSL	195°, 55%, 57%
HSV	195°, 59%, 80%
XYZ	29.9018, 36.6112, 63.2483
YIQ	150.9230, -62.9950, -9.2270

Conversions

Conversions Part 2

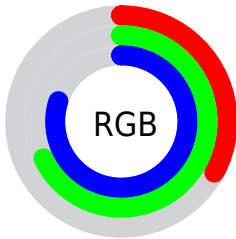
Format	Color
R_{YB}	85, 136, 205
Decimal	5615309
CIE _{Lab}	66.98, -17.63, -23.80
CIE _{LCh}	67, 29.618, 233.469
Yxy	36.6112, 0.2304, 0.2821
Android (android.graphics.Color)	4283805389 (0xFF55AECD)
YUV	150.9230, 26.6600, -57.8145
Hunter-Lab	60.5072, -17.6754, -19.6209

Details

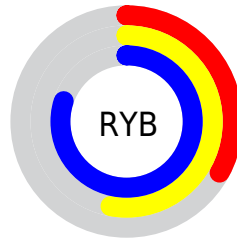
The XYZ color **29.9018, 36.6112, 63.2483** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **33.0629, 26.1270, 11.8959**, and the grayscale version is **29.2926, 30.8181, 33.5609**.

A 20% lighter version of the original color is **57.8484, 69.7429, 105.0205**, and **12.4233, 15.9091, 31.6941** is the 20% darker color. If you saturate the color by 10%, you get **27.3005, 33.7819, 62.8400**, and if you desaturate by 10%, it is **33.0849, 39.8018, 63.6971**.

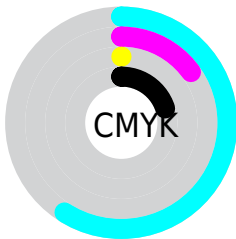
Distribution



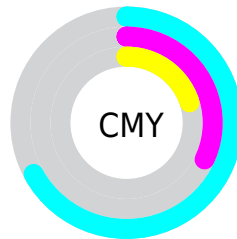
- Red (33%)
- Green (68%)
- Blue (80%)



- Red (33%)
- Yellow (53%)
- Blue (80%)



- Cyan (59%)
- Magenta (15%)
- Yellow (0%)
- Black (20%)



- Cyan (67%)
- Magenta (32%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9018, 36.6112, 63.2483 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 29.9018, 36.6112, 63.2483 by changing the saturation by 10% instead.

■ 29.9018, 36.6112,
63.2483

■ 29.9018, 36.6112,
63.2483

293.3645,
331.6242, 454.6028

■ 19.9118, 24.9066,
45.5998

■ 58.8945, 69.9744,
111.1167

■ 12.4388, 16.0075,
31.5838

■ 78.6280, 92.4018,
142.1737

■ 7.1176, 9.5294,
20.7816

■ 102.3399,
119.1722, 178.5372

■ 3.5827, 5.0881,
12.7748

■ 130.3957,
150.6702, 220.6259

■ 1.4689, 2.2990,
7.1447

163.1607,
187.2799, 268.8583

■ 0.3045, 0.7732,
3.4730

201.0002,

■ 0.0000, 0.0000,

229.3859, 323.6529

1.3409

244.2797,
277.3725, 385.4282

■ 0.0000, 0.0000,
0.0950

■ 0.0000, 0.0000,
0.0000

■ 29.9018, 36.6112,
63.2483

■ 29.9018, 36.6112,
63.2483

■ 27.3005, 33.7819,
62.8400

■ 33.0849, 39.8018,
63.6971

■ 25.2288, 31.2841,
62.4670

■ 36.8889, 43.3723,
64.1858

■ 23.6312, 29.0891,
62.1276

■ 41.3535, 47.3446,
64.7172

■ 22.4189, 27.1507,
61.8173

■ 46.5140, 51.7376,
65.2931

■ 22.2548, 26.8783,
61.7734

■ 52.4032, 56.5686,
65.9152

■ 59.0516, 61.8542,
66.5850

■ 66.4879, 67.6097,
67.3040

■ 74.7394, 73.8498,
68.0736

■ 78.2919, 77.7325,
68.6358

Harmonies

Analogous

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



27.4558, 36.6112, 50.5578



29.9018, 36.6112, 63.2483



33.8239, 36.6112, 69.8643

Triad

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



29.9018, 36.6112, 63.2483



44.1118, 36.6112, 42.7459



31.4675, 36.6112, 21.1941

Complementary

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



29.9018, 36.6112, 63.2483



33.0629, 26.1270, 11.8959

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.



35.7903, 36.6112, 19.9795



29.9018, 36.6112, 63.2483



43.3444, 36.6112, 30.7946

Square

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



29.9018, 36.6112, 63.2483



42.2162, 36.6112, 56.4901



40.2011, 36.6112, 23.0963



28.3038, 36.6112, 26.8683

Rectangle

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



29.9018, 36.6112, 63.2483



36.8503, 36.6112, 69.1107



40.2011, 36.6112, 23.0963



32.8230, 36.6112, 20.3095

Sweetspot

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



29.9030, 36.6126, 63.2492



76.4661, 84.9765, 106.9797



28.6732, 46.8326, 23.7494



15.8054, 17.7175, 22.8367



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.



29.9030, 36.6126, 63.2492



43.8434, 54.3231, 102.7824



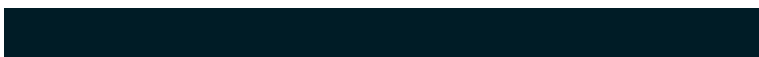
20.8977, 18.6019, 60.2474



11.2885, 12.2173, 14.3336



13.9345, 16.8930, 38.4825



0.7780, 0.9897, 2.0050

Inverse Universe

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



36.0663, 22.5333, 42.4942



55.3538, 31.0960, 63.3337



42.1475, 44.2961, 14.9241



11.5590, 11.3523, 13.4781



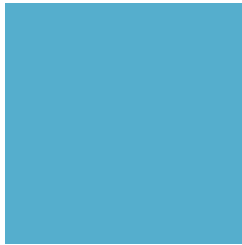
19.2444, 9.5084, 19.5375



1.0226, 0.5025, 1.1650

Previews

White Background



This preview shows how the XYZ color 29.9018, 36.6112, 63.2483 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 29.9018, 36.6112, 63.2483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

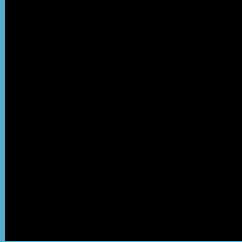
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9018, 36.6112, 63.2483

Background



This preview shows how black text looks on a background with the XYZ color 29.9018, 36.6112, 63.2483.



This preview shows how white text looks on a background with the XYZ color 29.9018, 36.6112,

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

29.9018, 36.6112, 63.2483

Protanopia

36.0351, 36.3453, 57.3406

Deuteranopia

36.9202, 36.1226, 64.7010



Tritanopia

28.1538, 36.4745, 54.8466

Trichromacy



Original Color

29.9018, 36.6112, 63.2483

Protanomaly

32.9983, 36.0631, 59.2545

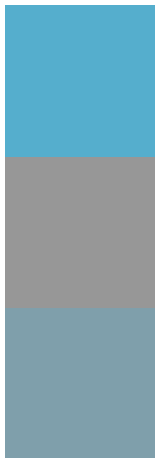
Deuteranomaly

33.4400, 35.6451, 64.1492

Tritanomaly

28.6871, 36.3948, 57.7375

Monochromacy



Original Color

29.9018, 36.6112, 63.2483

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.5012, 32.2486, 43.2505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9018, 36.6112, 63.2483 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(85, 174, 205)` looks like.

```
.text, #text, p{  
    color:rgb(85, 174, 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(85, 174, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 174, 205) }
```

Border

The CSS property to change the border of an element to XYZ 29.9018, 36.6112, 63.2483 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(85, 174, 205) }
```


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

```
.border{ border-color:rgb(85, 174, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 174, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 174, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 174, 205);  
box-shadow:4px 4px 4px 4px rgb(85, 174,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9018, 36.6112, 63.2483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 174, 205) }
```

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

```
.background{ background-color: rgb(85, 174,  
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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