

Converting Colors

XYZ(29.5823, 33.3741, 61.5110)

Have a look what the booklet for
XYZ(29.5823, 33.3741, 61.5110)
contains.

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Color

**XYZ(29.5856, 33.4492,
61.3969)**

Conversions

Conversions Part 1

Format	Color
Hex	68A3CB
RGB	104, 163, 203
RGB Percent	41%, 64%, 80%
CMY	0.5921, 0.3608, 0.2039
CMYK	0.49, 0.20, 0.00, 0.20
HSL	204°, 49%, 60%
HSV	204°, 49%, 80%
XYZ	29.5856, 33.4492, 61.3969
YIQ	149.9190, -48.0040, -0.0680

Conversions

Conversions Part 2

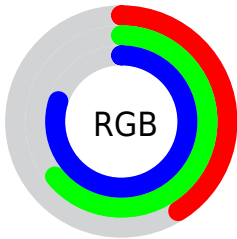
Format	Color
RYB	104, 141, 203
Decimal	6857675
CIELab	64.52, -8.22, -26.40
CIELCh	65, 27.650, 252.696
Yxy	33.4492, 0.2378, 0.2688
Android (android.graphics.Color)	4285047755 (0xFF68A3CB)
YUV	149.9190, 26.1689, -40.2710
Hunter-Lab	57.8353, -9.9002, -22.4565

Details

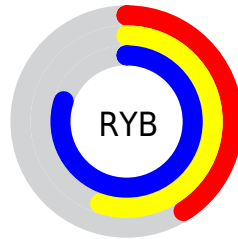
The XYZ color **29.5856, 33.4492, 61.3969** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.1015, 33.6437, 17.6364**, and the grayscale version is **28.8632, 30.3664, 33.0690**.

A 20% lighter version of the original color is **57.6186, 64.8364, 104.0856**, and **12.2360, 14.1196, 30.5142** is the 20% darker color. If you saturate the color by 10%, you get **26.0975, 29.5594, 60.8305**, and if you desaturate by 10%, it is **33.7375, 37.8228, 62.0229**.

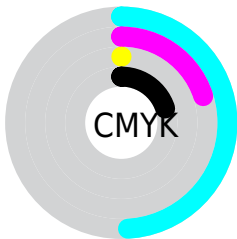
Distribution



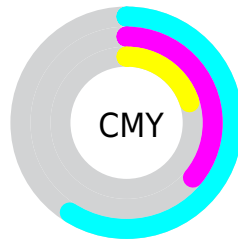
- Red (41%)
- Green (64%)
- Blue (80%)



- Red (41%)
- Yellow (55%)
- Blue (80%)



- Cyan (49%)
- Magenta (20%)
- Yellow (0%)
- Black (20%)



- Cyan (59%)
- Magenta (36%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5856, 33.4492, 61.3969 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 29.5856, 33.4492, 61.3969 by changing the saturation by 10% instead.

■ 29.5856, 33.4492,
61.3969

■ 29.5856, 33.4492,
61.3969

291.9127,
317.6690, 447.6745

■ 19.6708, 22.4708,
44.1129

■ 58.3973, 65.0762,
108.4165

■ 12.2628, 14.2032,
30.4214

■ 78.0250, 86.4936,
138.9893

■ 6.9964, 8.2622,
19.9039

■ 101.6209,
112.1594, 174.8287

■ 3.5062, 4.2631,
12.1419

■ 129.5505,
142.4581, 216.3533

■ 1.4267, 1.8218,
6.7166

162.1791,
177.7740, 263.9816

■ 0.2752, 0.5007,
3.2098

199.8721,

■ 0.0000, 0.0000,

218.4915, 318.1323

1.2027

242.9948,
264.9951, 379.2237

■ 0.0000, 0.0000,
0.0000

■ 29.5856, 33.4492,
61.3969

■ 29.5856, 33.4492,
61.3969

■ 26.0975, 29.5594,
60.8305

■ 33.7375, 37.8228,
62.0229

■ 23.2268, 26.1247,
60.3189

■ 38.5889, 42.6992,
62.7084

■ 20.9257, 23.1186,
59.8599

■ 44.1766, 48.1004,
63.4565

■ 19.1370, 20.5087,
59.4505

■ 50.5340, 54.0462,
64.2690

■ 17.7695, 18.2452,
59.0856

■ 57.6919, 60.5547,
65.1480

■ 17.6146, 17.9818,
59.0430

■ 65.6798, 67.6436,
66.0953

■ 74.5254, 75.3292,
67.1126

■ 79.9336, 81.3998,
67.9993

■ 82.2520, 86.0366,
68.7721

Harmonies

Analogous

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



26.5287, 33.4492, 53.2590



29.5856, 33.4492, 61.3969



33.4918, 33.4492, 62.0405

Triad

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



29.5856, 33.4492, 61.3969



39.7958, 33.4492, 31.8443



26.9134, 33.4492, 22.6541

Complementary

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



29.5856, 33.4492, 61.3969



37.1015, 33.6437, 17.6364

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.



30.1516, 33.4492, 19.0494



29.5856, 33.4492, 61.3969



37.7101, 33.4492, 23.5676

Square

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



29.5856, 33.4492, 61.3969



39.6124, 33.4492, 43.2839



34.1064, 33.4492, 19.3449



25.0760, 33.4492, 30.3239

Rectangle

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



29.5856, 33.4492, 61.3969



36.0760, 33.4492, 57.9737



34.1064, 33.4492, 19.3449



27.8622, 33.4492, 21.0058

Sweetspot

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



29.5867, 33.4504, 61.3977



77.6175, 83.9863, 106.7278



32.0694, 47.6572, 33.7354



16.1417, 17.5319, 22.7832



0.0000, 0.0000, 0.0000



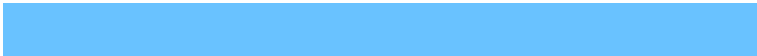
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.5867, 33.4504, 61.3977



43.1620, 48.8742, 101.7665



22.4956, 19.2682, 59.0340



11.1483, 11.9370, 14.2869



11.3011, 11.6261, 37.6047



0.6562, 0.7463, 1.9644

Inverse Universe

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



36.1907, 25.2427, 37.6164



56.0073, 35.1763, 55.0017



46.2202, 51.8810, 20.6759



11.4882, 11.3240, 13.1055



17.9152, 8.9767, 12.5378



0.9612, 0.4779, 0.8415

Previews

White Background



This preview shows how the XYZ color 29.5856, 33.4492, 61.3969 looks on a white background.

Color Contrast Check

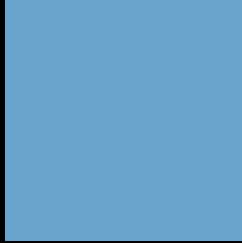
Large Text (above 18pt) WCAG AA × Fail

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 29.5856, 33.4492, 61.3969 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 29.5856, 33.4492, 61.3969

Background



This preview shows how black text looks on a background with the XYZ color 29.5856, 33.4492, 61.3969.

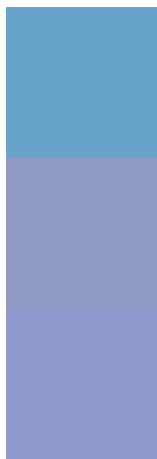


This preview shows how white text looks on a background with the XYZ color 29.5856, 33.4492,

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

29.5856, 33.4492, 61.3969

Protanopia

33.3107, 33.1622, 57.4686

Deuteranopia

33.9123, 33.1195, 62.3629



Tritanopia

26.9867, 33.4741, 48.2188

Trichromacy



Original Color

29.5856, 33.4492, 61.3969

Protanomaly

31.5717, 32.9833, 58.7352

Deuteranomaly

32.0093, 33.1407, 61.8365

Tritanomaly

27.9688, 33.6126, 52.5907

Monochromacy



Original Color

29.5856, 33.4492, 61.3969

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.5556, 31.2938, 42.0714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5856, 33.4492, 61.3969 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(104, 163, 203)` looks like.

```
.text, #text, p{  
    color:rgb(104, 163, 203)  
}
```

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(104, 163, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 163, 203) }
```

Border

The CSS property to change the border of an element to XYZ 29.5856, 33.4492, 61.3969 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(104, 163, 203) }
```


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

```
.border{ border-color:rgb(104, 163, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 163, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 163, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 163, 203);  
box-shadow:4px 4px 4px 4px rgb(104, 163,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5856, 33.4492, 61.3969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 163, 203) }
```

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

```
.background{ background-color: rgb(104,  
163, 203) }
```

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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