

Converting Colors

XYZ(29.3275, 30.2522, 85.1830)

Have a look what the booklet for
XYZ(29.3275, 30.2522, 85.1830)
contains.

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Color

**XYZ(29.3496, 30.2576,
85.1823)**

Conversions

Conversions Part 1

Format	Color
Hex	4699EE
RGB	70, 153, 238
RGB Percent	27%, 60%, 93%
CMY	0.7254, 0.4000, 0.0667
CMYK	0.71, 0.36, 0.00, 0.07
HSL	210°, 83%, 60%
HSV	210°, 71%, 93%
XYZ	29.3496, 30.2576, 85.1823
YIQ	137.8730, -76.7530, 8.8390

Conversions

Conversions Part 2

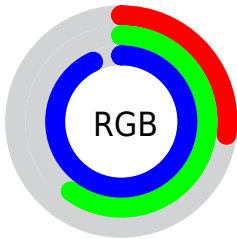
Format	Color
R_{YB}	70, 126, 238
Decimal	4626926
CIE _{Lab}	61.88, 2.28, -50.02
CIE _{LCh}	62, 50.070, 272.613
Yxy	30.2576, 0.2027, 0.2090
Android (android.graphics.Color)	4282817006 (0xFF4699EE)
YUV	137.8730, 49.3626, -59.5246
Hunter-Lab	55.0069, -1.0213, -53.3102

Details

The XYZ color **29.3496, 30.2576, 85.1823** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **48.0889, 42.0655, 11.3810**, and the grayscale version is **23.9495, 25.1968, 27.4393**.

A 20% lighter version of the original color is **50.5162, 57.0799, 102.9628**, and **13.2937, 13.0779, 46.0796** is the 20% darker color. If you saturate the color by 10%, you get **26.0878, 25.7966, 84.4938**, and if you desaturate by 10%, it is **33.4925, 35.4689, 85.9705**.

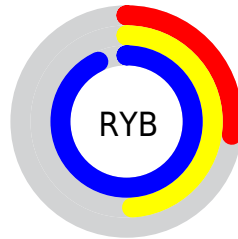
Distribution



Red (27%)

Green (60%)

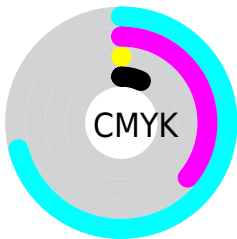
Blue (93%)



Red (27%)

Yellow (49%)

Blue (93%)

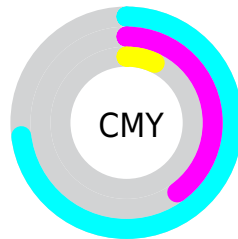


Cyan (71%)

Magenta (36%)

Yellow (0%)

Black (7%)



Cyan (73%)

Magenta (40%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3496, 30.2576, 85.1823 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 29.3496, 30.2576, 85.1823 by changing the saturation by 10% instead.

■ 29.3496, 30.2576,
85.1823

■ 29.3496, 30.2576,
85.1823

290.8254,
303.1033, 532.3914

■ 19.4911, 20.0342,
63.4410

■ 58.0258, 60.0693,
142.5043

■ 12.1317, 12.4199,
45.7548

■ 77.5742, 80.4264,
178.9220

■ 6.9063, 7.0303,
31.7051

■ 101.0832,
104.9302, 221.0690

■ 3.4494, 3.4811,
20.8734

■ 128.9182,
133.9651, 269.3638

■ 1.3956, 1.3877,
12.8411

161.4446,
167.9155, 324.2249

■ 0.2531, 0.2077,
7.1898

199.0277,

■ 0.0000, 0.0000,

207.1657, 386.0708

3.5008

242.0328,
252.1002, 455.3201

■ 0.0000, 0.0000,
1.3557

■ 0.0000, 0.0000,
0.1068

■ 29.3496, 30.2576,
85.1823

■ 29.3496, 30.2576,
85.1823

■ 26.0878, 25.7966,
84.4938

■ 33.4925, 35.4689,
85.9705

■ 23.6121, 22.0271,
83.8967

■ 38.5904, 41.4758,
86.8612

■ 21.8616, 19.0308,
83.4106

■ 44.7125, 48.3224,
87.8601

■ 51.9201, 56.0480,
88.9714

■ 60.2696, 64.6891,
90.1992

■ 69.8128, 74.2796,
91.5474

■ 80.5985, 84.8516,
93.0195

■ 90.6536, 95.3948,
94.5246

■ 92.4327, 98.9531,
95.1177

Harmonies

Analogous

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



23.2360, 30.2576, 77.7028



29.3496, 30.2576, 85.1823



36.2675, 30.2576, 74.7637

Triad

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



29.3496, 30.2576, 85.1823



41.0182, 30.2576, 16.8060



18.7787, 30.2576, 18.7333

Complementary

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



29.3496, 30.2576, 85.1823



48.0889, 42.0655, 11.3810

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.



22.3656, 30.2576, 10.6306



29.3496, 30.2576, 85.1823



35.0943, 30.2576, 9.8596

Square

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



29.3496, 30.2576, 85.1823



43.6256, 30.2576, 31.2936



28.1763, 30.2576, 8.1395



17.7235, 30.2576, 34.6543

Rectangle

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



29.3496, 30.2576, 85.1823



40.2440, 30.2576, 60.7744



28.1763, 30.2576, 8.1395



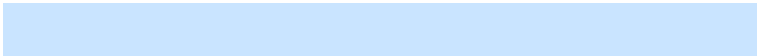
19.6977, 30.2576, 15.2509

Sweetspot

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



29.3508, 30.2586, 85.1831



69.9758, 75.1345, 105.4220



38.9345, 64.7853, 41.0271



14.3731, 15.4621, 22.4769



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.



29.3508, 30.2586, 85.1831



29.0344, 27.9885, 98.4798



20.1501, 11.8572, 82.1162



15.5422, 16.5185, 20.0908



12.3256, 10.8754, 46.5774



1.1248, 1.1035, 3.9079

Inverse Universe

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



43.2009, 24.8589, 32.6590



47.0774, 24.7168, 29.2111



66.9408, 79.7691, 17.6649



16.0984, 15.8891, 18.0742



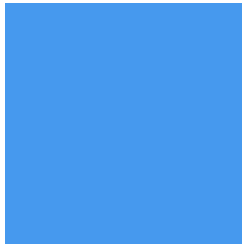
21.5470, 10.8912, 10.7970



1.8427, 0.9261, 1.1624

Previews

White Background



This preview shows how the XYZ color 29.3496, 30.2576, 85.1823 looks on a white background.

Color Contrast Check

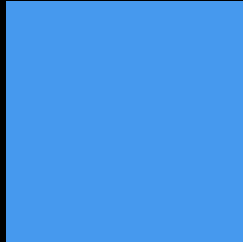
Large Text (above 18pt) WCAG AA × Fail

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 29.3496, 30.2576, 85.1823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

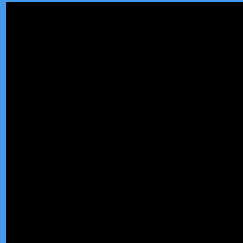
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

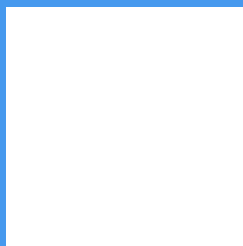
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3496, 30.2576, 85.1823

Background



This preview shows how black text looks on a background with the XYZ color 29.3496, 30.2576, 85.1823.

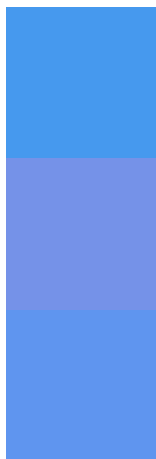


This preview shows how white text looks on a background with the XYZ color 29.3496, 30.2576,

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

29.3496, 30.2576, 85.1823

Protanopia

32.1805, 30.1659, 80.4704

Deuteranopia

31.0467, 30.1598, 85.8464



Tritanopia

21.4910, 30.1246, 46.8014

Trichromacy



Original Color

29.3496, 30.2576, 85.1823

Protanomaly

30.8543, 30.1447, 82.0342

Deuteranomaly

30.3241, 30.0231, 85.8581

Tritanomaly

23.5711, 29.8665, 59.1661

Monochromacy



Original Color

29.3496, 30.2576, 85.1823

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.2725, 26.2116, 43.8245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3496, 30.2576, 85.1823 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(70, 153, 238)` looks like.

```
.text, #text, p{  
    color:rgb(70, 153, 238)  
}
```

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(70, 153, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 153, 238) }
```

Border

The CSS property to change the border of an element to XYZ 29.3496, 30.2576, 85.1823 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(70, 153, 238) }
```


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

```
.border{ border-color:rgb(70, 153, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 153, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 153, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 153, 238);  
box-shadow:4px 4px 4px 4px rgb(70, 153,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3496, 30.2576, 85.1823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 153, 238) }
```

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

```
.background{ background-color: rgb(70, 153,  
238) }
```

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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