

Converting Colors

XYZ(29.5380, 30.2837, 88.3480)

Have a look what the booklet for
XYZ(29.5380, 30.2837, 88.3480)
contains.

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Color

**XYZ(29.5326, 30.2833,
88.2931)**

Conversions

Conversions Part 1

Format	Color
Hex	4099F2
RGB	64, 153, 242
RGB Percent	25%, 60%, 95%
CMY	0.7490, 0.4000, 0.0510
CMYK	0.74, 0.37, 0.00, 0.05
HSL	210°, 87%, 60%
HSV	210°, 74%, 95%
XYZ	29.5326, 30.2833, 88.2931
YIQ	136.5350, -81.6130, 8.8110

Conversions

Conversions Part 2

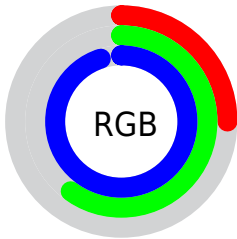
Format	Color
R _{YB}	64, 123, 242
Decimal	4233714
CIE Lab	61.90, 2.89, -52.20
CIE LCh	62, 52.276, 273.167
Yxy	30.2833, 0.1994, 0.2045
Android (android.graphics.Color)	4282423794 (0xFF4099F2)
YUV	136.5350, 51.9942, -63.6132
Hunter-Lab	55.0303, -0.5090, -56.6064

Details

The XYZ color **29.5326, 30.2833, 88.2931** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **48.9371, 42.0340, 10.3864**, and the grayscale version is **23.4369, 24.6575, 26.8520**.

A 20% lighter version of the original color is **50.0357, 56.8322, 102.9403**, and **13.6072, 13.2033, 47.7303** is the 20% darker color. If you saturate the color by 10%, you get **26.4052, 25.8788, 87.6084**, and if you desaturate by 10%, it is **33.5454, 35.4432, 89.0782**.

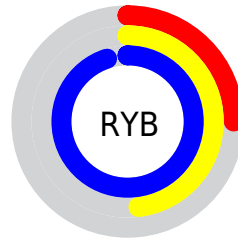
Distribution



Red (25%)

Green (60%)

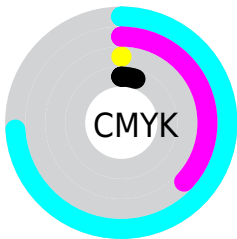
Blue (95%)



Red (25%)

Yellow (48%)

Blue (95%)

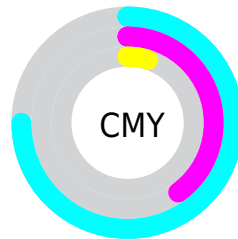


Cyan (74%)

Magenta (37%)

Yellow (0%)

Black (5%)



Cyan (75%)

Magenta (40%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5326, 30.2833, 88.2931 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 29.5326, 30.2833, 88.2931 by changing the saturation by 10% instead.

■ 29.5326, 30.2833,
88.2931

■ 29.5326, 30.2833,
88.2931

291.6688,
303.2228, 542.8888

■ 19.6304, 20.0537,
66.0001

■ 58.3139, 60.1099,
146.8799

■ 12.2334, 12.4341,
47.8160

■ 77.9238, 80.4757,
184.0107

■ 6.9761, 7.0400,
33.3223

■ 101.5002,
104.9891, 226.9247

■ 3.4934, 3.4872,
22.1003

■ 129.4086,
134.0344, 276.0401

■ 1.4197, 1.3910,
13.7316

162.0143,
167.9960, 331.7758

■ 0.2702, 0.2101,
7.7976

199.6827,

■ 0.0000, 0.0000,

207.2583, 394.5500

3.8798

242.7790,
252.2058, 464.7815

■ 0.0000, 0.0000,
1.5596

■ 0.0000, 0.0000,
0.2618

■ 29.5326, 30.2833,
88.2931

■ 29.5326, 30.2833,
88.2931

■ 26.4052, 25.8788,
87.6084

■ 33.5454, 35.4432,
89.0782

■ 24.0582, 22.1656,
87.0154

■ 38.5241, 41.4073,
89.9670

■ 22.8637, 20.0841,
86.6766

■ 44.5433, 48.2226,
90.9652

■ 51.6685, 55.9306,
92.0775

■ 59.9594, 64.5698,
93.3081

■ 69.4713, 74.1759,
94.6609

■ 80.2556, 84.7825,
96.1398

■ 91.3929, 95.9224,
97.7030

■ 93.0271, 99.1909,
98.2477

Harmonies

Analogous

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



23.1314, 30.2833, 80.6447



29.5326, 30.2833, 88.2931



36.7827, 30.2833, 76.8442

Triad

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



29.5326, 30.2833, 88.2931



41.5673, 30.2833, 16.0762



18.3764, 30.2833, 18.4685

Complementary

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



29.5326, 30.2833, 88.2931



48.9371, 42.0340, 10.3864

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.



22.0370, 30.2833, 10.1042



29.5326, 30.2833, 88.2931



35.2882, 30.2833, 9.1678

Square

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



29.5326, 30.2833, 88.2931



44.4017, 30.2833, 30.8914



28.0469, 30.2833, 7.5347



17.3385, 30.2833, 35.1468

Rectangle

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



29.5326, 30.2833, 88.2931



40.9404, 30.2833, 61.8594



28.0469, 30.2833, 7.5347



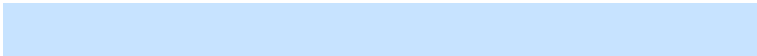
19.3081, 30.2833, 14.8587

Sweetspot

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



29.5338, 30.2843, 88.2939



69.0316, 74.2584, 105.3027



39.6179, 66.8953, 40.9639



14.1917, 15.2959, 22.4544



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.



29.5338, 30.2843, 88.2939



28.3946, 27.0882, 98.3397



19.9764, 11.1695, 85.1081



15.5502, 16.5345, 20.0935



12.4192, 11.0627, 46.6086



1.1327, 1.1193, 3.9106

Inverse Universe

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



44.2022, 24.8456, 32.6037



46.6619, 24.1961, 28.1157



69.2964, 82.7524, 17.1729



16.1024, 15.8907, 18.0955



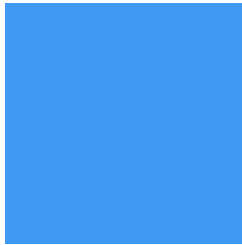
21.5943, 10.9101, 11.0460



1.8467, 0.9277, 1.1834

Previews

White Background



This preview shows how the XYZ color 29.5326, 30.2833, 88.2931 looks on a white background.

Color Contrast Check

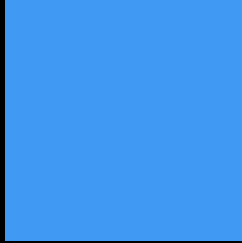
Large Text (above 18pt) WCAG AA × Fail

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 29.5326, 30.2833, 88.2931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

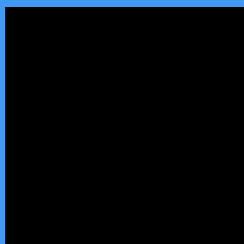
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

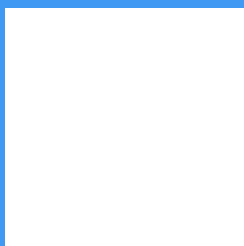
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5326, 30.2833, 88.2931

Background



This preview shows how black text looks on a background with the XYZ color 29.5326, 30.2833, 88.2931.



This preview shows how white text looks on a background with the XYZ color 29.5326, 30.2833,

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

29.5326, 30.2833, 88.2931

Protanopia

32.3445, 30.2008, 82.7219

Deuteranopia

31.1416, 30.1396, 88.9702



Tritanopia

21.4910, 30.1246, 46.8014

Trichromacy



Original Color

29.5326, 30.2833, 88.2931

Protanomaly

31.0039, 30.1547, 85.0753

Deuteranomaly

30.4773, 30.0331, 88.9847

Tritanomaly

23.6408, 29.8889, 59.7815

Monochromacy



Original Color

29.5326, 30.2833, 88.2931

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.9907, 26.0551, 44.3221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5326, 30.2833, 88.2931 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(64, 153, 242)` looks like.

```
.text, #text, p{  
    color:rgb(64, 153, 242)  
}
```

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(64, 153, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 153, 242) }
```

Border

The CSS property to change the border of an element to XYZ 29.5326, 30.2833, 88.2931 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(64, 153, 242) }
```


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

```
.border{ border-color:rgb(64, 153, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 153, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 153, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 153, 242);  
box-shadow:4px 4px 4px 4px rgb(64, 153,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5326, 30.2833, 88.2931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 153, 242) }
```

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

```
.background{ background-color: rgb(64, 153,  
242) }
```

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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