

Converting Colors

XYZ(29.6325, 32.5774, 85.9497)

Have a look what the booklet for
XYZ(29.6325, 32.5774, 85.9497)
contains.

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Color

**XYZ(29.6196, 32.6667,
85.6331)**

Conversions

Conversions Part 1

Format	Color
Hex	31A2EE
RGB	49, 162, 238
RGB Percent	19%, 64%, 93%
CMY	0.8078, 0.3647, 0.0667
CMYK	0.79, 0.32, 0.00, 0.07
HSL	204°, 85%, 56%
HSV	204°, 79%, 93%
XYZ	29.6196, 32.6667, 85.6331
YIQ	136.8770, -91.7440, -0.3200

Conversions

Conversions Part 2

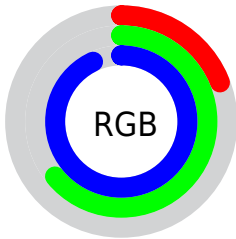
Format	Color
R _Y B	49, 120, 238
Decimal	3252974
CIE Lab	63.89, -5.37, -46.87
CIE LCh	64, 47.175, 263.468
Yxy	32.6667, 0.2002, 0.2208
Android (android.graphics.Color)	4281443054 (0xFF31A2EE)
YUV	136.8770, 49.8536, -77.0681
Hunter-Lab	57.1548, -7.5160, -48.8239

Details

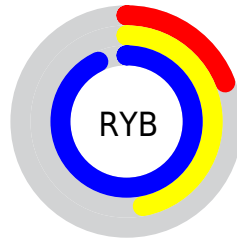
The XYZ color **29.6196, 32.6667, 85.6331** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **43.1506, 33.0706, 7.0166**, and the grayscale version is **23.5764, 24.8042, 27.0118**.

A 20% lighter version of the original color is **51.0312, 61.0567, 103.7032**, and **14.1279, 14.7463, 46.3577** is the 20% darker color. If you saturate the color by 10%, you get **27.1373, 28.9791, 85.0528**, and if you desaturate by 10%, it is **32.8379, 36.9252, 86.2861**.

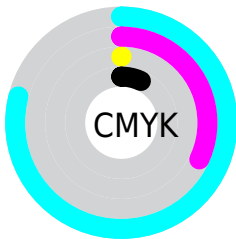
Distribution



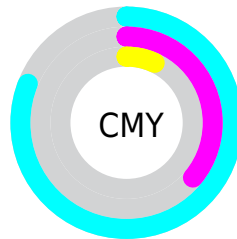
- Red (19%)
- Green (64%)
- Blue (93%)



- Red (19%)
- Yellow (47%)
- Blue (93%)



- Cyan (79%)
- Magenta (32%)
- Yellow (0%)
- Black (7%)



- Cyan (81%)
- Magenta (36%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6196, 32.6667, 85.6331 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 29.6196, 32.6667, 85.6331 by changing the saturation by 10% instead.

■ 29.6196, 32.6667,
85.6331

■ 29.6196, 32.6667,
85.6331

292.0690,
314.1452, 533.9198

■ 19.6967, 21.8712,
63.8115

■ 58.4508, 63.8548,
143.1394

■ 12.2817, 13.7623,
46.0528

■ 78.0899, 85.0163,
179.6611

■ 7.0094, 7.9555,
31.9385

■ 101.6983,
110.4018, 221.9200

■ 3.5144, 4.0665,
21.0501

■ 129.6415,
140.3959, 270.3344

■ 1.4312, 1.7108,
12.9690

■ 162.2848,
175.3829, 325.3231

■ 0.2783, 0.4307,
7.2767

199.9936,

■ 0.0000, 0.0000,

215.7471, 387.3046

3.5547

243.1332,
261.8731, 456.6972

■ 0.0000, 0.0000,
1.3844

■ 0.0000, 0.0000,
0.1295

■ 29.6196, 32.6667,
85.6331

■ 29.6196, 32.6667,
85.6331

■ 27.1373, 28.9791,
85.0528

■ 32.8379, 36.9252,
86.2861

■ 25.2519, 25.7850,
84.5357

■ 36.8750, 41.7999,
87.0143

■ 25.1489, 25.6054,
84.5065

■ 41.8052, 47.3336,
87.8225

■ 47.6930, 53.5633,
88.7147

■ 54.5964, 60.5227,
89.6941

■ 62.5683, 68.2427,
90.7641

■ 71.6581, 76.7523,
91.9275

■ 81.9116, 86.0786,
93.1872

■ 90.2838, 94.6552,
94.4014

Harmonies

Analogous

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



24.0552, 32.6667, 73.7568



29.6196, 32.6667, 85.6331



36.4128, 32.6667, 80.7258

Triad

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



29.6196, 32.6667, 85.6331



44.2865, 32.6667, 22.9094



21.8824, 32.6667, 17.9477

Complementary

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



29.6196, 32.6667, 85.6331



43.1506, 33.0706, 7.0166

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.



26.2391, 32.6667, 11.4744



29.6196, 32.6667, 85.6331



39.2811, 32.6667, 13.5431

Square

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



29.6196, 32.6667, 85.6331



45.5305, 32.6667, 39.8899



32.5231, 32.6667, 10.2133



20.0181, 32.6667, 31.5710

Rectangle

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



29.6196, 32.6667, 85.6331



40.6808, 32.6667, 69.2310



32.5231, 32.6667, 10.2133



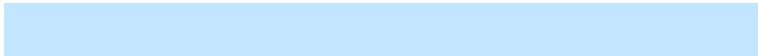
23.0713, 32.6667, 15.0916

Sweetspot

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



29.6208, 32.6678, 85.6339



68.6519, 75.4731, 105.5572



35.5191, 63.2737, 29.6129



13.9951, 15.4735, 22.4990



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.



29.6208, 32.6678, 85.6339



30.3677, 31.6143, 99.1094



18.7622, 10.9505, 82.0144



15.6832, 16.8005, 20.1378



14.1605, 14.5453, 47.1891



1.2752, 1.4044, 3.9581

Inverse Universe

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



42.8810, 22.9841, 36.3595



47.5162, 23.9957, 34.2858



61.1732, 69.1157, 13.0241



16.1695, 15.9175, 18.4490



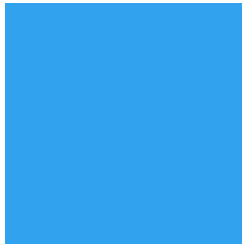
22.4732, 11.2617, 15.6744



1.9186, 0.9565, 1.5623

Previews

White Background



This preview shows how the XYZ color 29.6196, 32.6667, 85.6331 looks on a white background.

Color Contrast Check

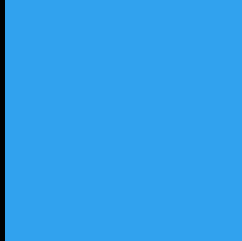
Large Text (above 18pt) WCAG AA × Fail

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 29.6196, 32.6667, 85.6331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

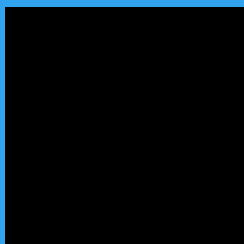
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

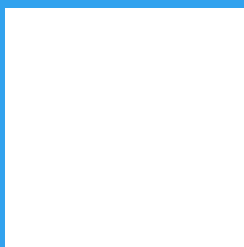
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6196, 32.6667, 85.6331

Background



This preview shows how black text looks on a background with the XYZ color 29.6196, 32.6667, 85.6331.



This preview shows how white text looks on a background with the XYZ color 29.6196, 32.6667,

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

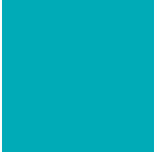
29.6196, 32.6667, 85.6331

Protanopia

33.9619, 32.3024, 78.5737

Deuteranopia

33.4681, 32.5906, 86.9647



Tritanopia

23.2146, 32.5865, 50.4137

Trichromacy



Original Color

29.6196, 32.6667, 85.6331

Protanomaly

31.4324, 31.9215, 80.8487

Deuteranomaly

31.5674, 32.3722, 86.2460

Tritanomaly

25.1512, 32.4935, 62.0730

Monochromacy



Original Color

29.6196, 32.6667, 85.6331

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.7446, 26.6170, 43.9305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6196, 32.6667, 85.6331 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(49, 162, 238)` looks like.

```
.text, #text, p{  
    color:rgb(49, 162, 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(49, 162, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 162, 238) }
```

Border

The CSS property to change the border of an element to XYZ 29.6196, 32.6667, 85.6331 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(49, 162, 238) }
```


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

```
.border{ border-color:rgb(49, 162, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 162, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 162, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 162, 238);  
box-shadow:4px 4px 4px 4px rgb(49, 162,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6196, 32.6667, 85.6331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 162, 238) }
```

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

```
.background{ background-color: rgb(49, 162,  
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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