

Converting Colors

XYZ(28.9376, 31.5487, 80.9455)

Have a look what the booklet for
XYZ(28.9376, 31.5487, 80.9455)
contains.

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Color

**XYZ(29.0135, 31.6792,
80.9295)**

Conversions

Conversions Part 1

Format	Color
Hex	3F9FE8
RGB	63, 159, 232
RGB Percent	25%, 62%, 91%
CMY	0.7529, 0.3765, 0.0902
CMYK	0.73, 0.31, 0.00, 0.09
HSL	206°, 79%, 58%
HSV	206°, 73%, 91%
XYZ	29.0135, 31.6792, 80.9295
YIQ	138.6180, -80.6490, 2.3510

Conversions

Conversions Part 2

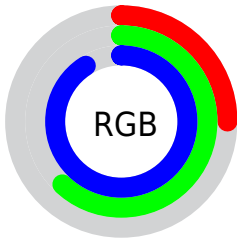
Format	Color
R _{YB}	63, 124, 232
Decimal	4169704
CIE Lab	63.08, -4.19, -44.83
CIE LCh	63, 45.023, 264.661
Yxy	31.6792, 0.2049, 0.2237
Android (android.graphics.Color)	4282359784 (0xFF3F9FE8)
YUV	138.6180, 46.0373, -66.3170
Hunter-Lab	56.2843, -6.4841, -45.8523

Details

The XYZ color **29.0135, 31.6792, 80.9295** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **42.9822, 35.1263, 9.2190**, and the grayscale version is **24.2467, 25.5094, 27.7798**.

A 20% lighter version of the original color is **51.0502, 59.5543, 103.4122**, and **13.1990, 13.8597, 43.0538** is the 20% darker color. If you saturate the color by 10%, you get **26.1776, 27.7621, 80.3236**, and if you desaturate by 10%, it is **32.6152, 36.1995, 81.6128**.

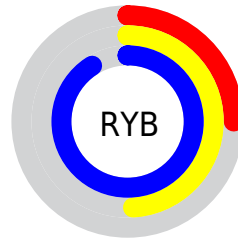
Distribution



Red (25%)

Green (62%)

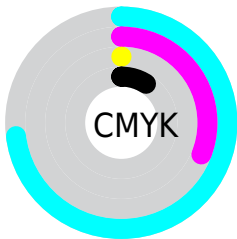
Blue (91%)



Red (25%)

Yellow (49%)

Blue (91%)

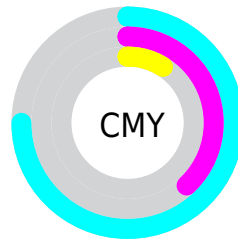


Cyan (73%)

Magenta (31%)

Yellow (0%)

Black (9%)



Cyan (75%)

Magenta (38%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0135, 31.6792, 80.9295 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 29.0135, 31.6792, 80.9295 by changing the saturation by 10% instead.

■ 29.0135, 31.6792,
80.9295

■ 29.0135, 31.6792,
80.9295

289.2717,
309.6553, 517.8490

■ 19.2354, 21.1166,
59.9529

■ 57.4959, 62.3078,
136.4950

■ 11.9455, 13.2092,
42.9556

■ 76.9310, 83.1426,
171.9209

■ 6.7785, 7.5728,
29.5191

■ 100.3157,
108.1703, 213.0003

■ 3.3691, 3.8228,
19.2249

■ 128.0154,
137.7752, 260.1518

■ 1.3518, 1.5750,
11.6545

160.3955,
172.3418, 313.7938

■ 0.2215, 0.3406,
6.3892

197.8214,

■ 0.0000, 0.0000,

212.2544, 374.3450

3.0106

240.6583,
257.8974, 442.2239

■ 0.0000, 0.0000,
1.1000

■ 0.0000, 0.0000,
0.0000

■ 29.0135, 31.6792,
80.9295

■ 29.0135, 31.6792,
80.9295

■ 26.1776, 27.7621,
80.3236

■ 32.6152, 36.1995,
81.6128

■ 24.0164, 24.3949,
79.7875

■ 37.0523, 41.3621,
82.3755

■ 22.7874, 22.2698,
79.4421

■ 42.3894, 47.2054,
83.2220

■ 48.6835, 53.7633,
84.1561

■ 55.9865, 61.0668,
85.1809

■ 64.3464, 69.1448,
86.2995

■ 73.8078, 78.0244,
87.5148

■ 84.4127, 87.7313,
88.8294

■ 89.7427, 94.9604,
89.9439

Harmonies

Analogous

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



23.7225, 31.6792, 70.5520



29.0135, 31.6792, 80.9295



35.3681, 31.6792, 75.8004

Triad

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



29.0135, 31.6792, 80.9295



42.3074, 31.6792, 22.1095



21.3880, 31.6792, 18.2629

Complementary

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



29.0135, 31.6792, 80.9295



42.9822, 35.1263, 9.2190

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.



25.4009, 31.6792, 11.8258



29.0135, 31.6792, 80.9295



37.5523, 31.6792, 13.4527

Square

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



29.0135, 31.6792, 80.9295



43.6211, 31.6792, 37.7715



31.2340, 31.6792, 10.4304



19.7240, 31.6792, 31.4104

Rectangle

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



29.0135, 31.6792, 80.9295



39.2999, 31.6792, 64.9548



31.2340, 31.6792, 10.4304



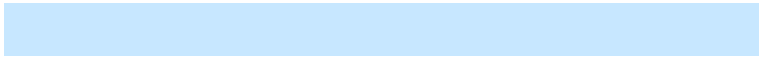
22.4778, 31.6792, 15.4497

Sweetspot

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



29.0147, 31.6803, 80.9303



70.0872, 76.3695, 105.6545



35.1705, 60.4761, 32.1635



14.4407, 15.7941, 22.5374



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.



29.0147, 31.6803, 80.9303



31.1088, 32.3993, 99.2218



19.2767, 12.2043, 77.6843



14.2589, 15.2392, 18.3343



12.7781, 12.6182, 44.1453



1.0362, 1.1162, 3.2928

Inverse Universe

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



41.3153, 23.2155, 35.1052



48.0605, 24.8650, 35.1430



59.2268, 67.6155, 14.6338



14.7183, 14.5045, 16.7168



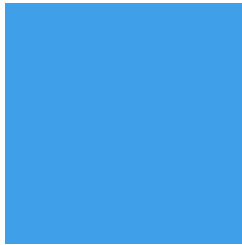
20.8433, 10.4715, 13.3356



1.5866, 0.7924, 1.2297

Previews

White Background



This preview shows how the XYZ color 29.0135, 31.6792, 80.9295 looks on a white background.

Color Contrast Check

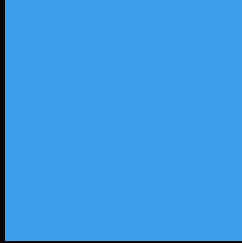
Large Text (above 18pt) WCAG AA × Fail

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 29.0135, 31.6792, 80.9295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

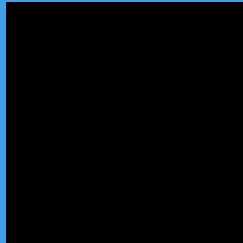
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

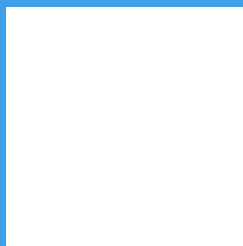
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.0135, 31.6792, 80.9295

Background



This preview shows how black text looks on a background with the XYZ color 29.0135, 31.6792, 80.9295.



This preview shows how white text looks on a background with the XYZ color 29.0135, 31.6792,

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

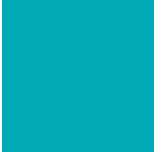
29.0135, 31.6792, 80.9295

Protanopia

32.9544, 31.3887, 74.8428

Deuteranopia

32.3483, 31.3887, 82.1956



Tritanopia

22.6315, 31.7533, 49.1922

Trichromacy



Original Color

29.0135, 31.6792, 80.9295

Protanomaly

30.9653, 31.2716, 77.0770

Deuteranomaly

30.7778, 31.3216, 81.5143

Tritanomaly

24.2338, 31.2626, 59.4006

Monochromacy



Original Color

29.0135, 31.6792, 80.9295

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

24.3773, 26.9544, 43.4531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0135, 31.6792, 80.9295 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(63, 159, 232)` looks like.

```
.text, #text, p{  
    color:rgb(63, 159, 232)  
}
```

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(63, 159, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 159, 232) }
```

Border

The CSS property to change the border of an element to XYZ 29.0135, 31.6792, 80.9295 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(63, 159, 232) }
```


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

```
.border{ border-color:rgb(63, 159, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 159, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 159, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 159, 232);  
box-shadow:4px 4px 4px 4px rgb(63, 159,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0135, 31.6792, 80.9295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 159, 232) }
```

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

```
.background{ background-color: rgb(63, 159,  
232) }
```

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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