

Converting Colors

XYZ(27.4571, 31.7804, 75.2081)

Have a look what the booklet for
XYZ(27.4571, 31.7804, 75.2081)
contains.

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Color

**XYZ(27.4571, 31.7804,
75.2081)**

Conversions

Conversions Part 1

Format	Color
Hex	2DA2E0
RGB	45, 162, 224
RGB Percent	18%, 64%, 88%
CMY	0.8235, 0.3647, 0.1216
CMYK	0.80, 0.28, 0.00, 0.12
HSL	201°, 74%, 53%
HSV	201°, 80%, 88%
XYZ	27.4571, 31.7804, 75.2081
YIQ	134.0850, -89.6340, -5.5220

Conversions

Conversions Part 2

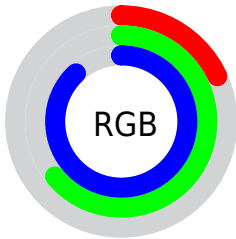
Format	Color
RYB	45, 116, 224
Decimal	2990816
CIELab	63.16, -10.68, -40.31
CIElCh	63, 41.700, 255.157
Yxy	31.7804, 0.2042, 0.2364
Android (android.graphics.Color)	4281180896 (0xFF2DA2E0)
YUV	134.0850, 44.3281, -78.1275
Hunter-Lab	56.3741, -11.7160, -39.6363

Details

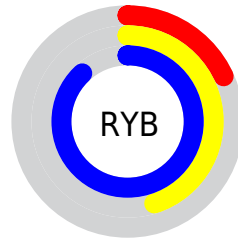
The XYZ color **27.4571, 31.7804, 75.2081** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **36.4740, 26.5557, 5.6877**, and the grayscale version is **22.5592, 23.7341, 25.8464**.

A 20% lighter version of the original color is **50.4706, 60.7676, 103.6770**, and **12.7523, 14.1960, 39.1138** is the 20% darker color. If you saturate the color by 10%, you get **25.3950, 28.7509, 74.7327**, and if you desaturate by 10%, it is **30.1281, 35.2499, 75.7377**.

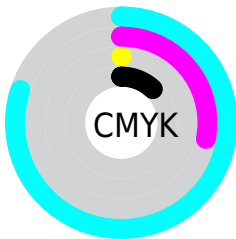
Distribution



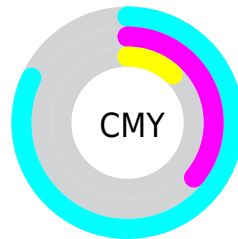
- Red (18%)
- Green (64%)
- Blue (88%)



- Red (18%)
- Yellow (45%)
- Blue (88%)



- Cyan (80%)
- Magenta (28%)
- Yellow (0%)
- Black (12%)



- Cyan (82%)
- Magenta (36%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4571, 31.7804, 75.2081 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 27.4571, 31.7804, 75.2081 by changing the saturation by 10% instead.

■ 27.4571, 31.7804,
75.2081

■ 27.4571, 31.7804,
75.2081

281.9909,
310.1177, 497.9070

■ 18.0552, 21.1938,
55.2806

■ 55.0312, 62.4667,
128.3567

■ 11.0895, 13.2658,
39.2263

■ 73.9341, 83.3351,
162.4149

■ 6.1948, 7.6118,
26.6267

■ 96.7348, 108.3997,
202.0205

■ 3.0057, 3.8476,
17.0631

■ 123.7984,
138.0448, 247.5919

■ 1.1568, 1.5887,
10.1170

■ 155.4905,
172.6547, 299.5477

■ 0.0718, 0.3499,
5.3700

192.1764,

■ 0.0000, 0.0000,

212.6139, 358.3065

2.4034

234.2214,
258.3068, 424.2867

■ 0.0000, 0.0000,
0.7883

■ 0.0000, 0.0000,
0.0000

■ 27.4571, 31.7804,
75.2081

■ 27.4571, 31.7804,
75.2081

■ 25.3950, 28.7509,
74.7327

■ 30.1281, 35.2499,
75.7377

■ 23.8109, 26.0904,
74.3027

■ 33.4784, 39.1966,
76.3229

■ 23.7966, 26.0658,
74.2987

■ 37.5719, 43.6559,
76.9679

■ 42.4634, 48.6582,
77.6756

■ 48.2022, 54.2309,
78.4488

■ 54.8337, 60.3994,
79.2899

■ 62.3994, 67.1871,
80.2013

■ 70.9386, 74.6160,
81.1851

■ 80.4879, 82.7070,
82.2435

Harmonies

Analogous

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



23.0504, 31.7804, 62.3156



27.4571, 31.7804, 75.2081



33.1954, 31.7804, 75.1329

Triad

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



27.4571, 31.7804, 75.2081



42.2063, 31.7804, 26.9556



23.0147, 31.7804, 16.7101

Complementary

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



27.4571, 31.7804, 75.2081



36.4740, 26.5557, 5.6877

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.



27.4023, 31.7804, 12.1302



27.4571, 31.7804, 75.2081



38.7083, 31.7804, 16.6348

Square

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



27.4571, 31.7804, 75.2081



42.2259, 31.7804, 43.3813



33.1332, 31.7804, 12.1079



20.7160, 31.7804, 27.0975

Rectangle

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



27.4571, 31.7804, 75.2081



37.0425, 31.7804, 67.5517



33.1332, 31.7804, 12.1079



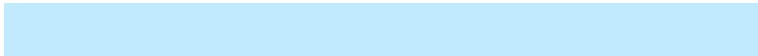
24.2676, 31.7804, 14.6103

Sweetspot

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



27.4583, 31.7815, 75.2089



69.6129, 77.3951, 105.8775



30.2721, 54.8834, 22.2760



14.2268, 15.9368, 22.5762



0.0000, 0.0000, 0.0000



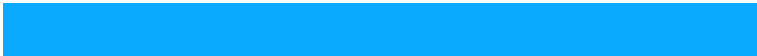
20.3446, 21.4041, 23.3091

Same Dimension

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



27.4583, 31.7815, 75.2089



32.5905, 36.1114, 99.8602



17.0433, 10.9516, 71.7373



13.6961, 14.7312, 17.5092



13.9625, 15.3946, 43.2839



1.0504, 1.2323, 3.0277

Inverse Universe

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



38.2015, 20.3342, 36.0948



48.6256, 24.3914, 40.2761



50.5444, 54.6964, 10.3778



14.0828, 13.8508, 16.2062



20.9878, 10.4621, 17.1335



1.4965, 0.7419, 1.4072

Previews

White Background



This preview shows how the XYZ color 27.4571, 31.7804, 75.2081 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 27.4571, 31.7804, 75.2081 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

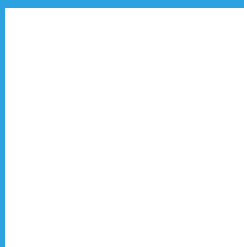
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.4571, 31.7804, 75.2081

Background



This preview shows how black text looks on a background with the XYZ color 27.4571, 31.7804, 75.2081.

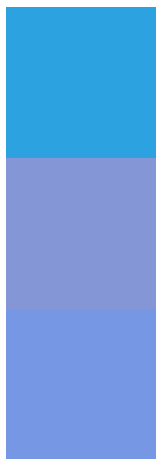


This preview shows how white text looks on a background with the XYZ color 27.4571, 31.7804,

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

27.4571, 31.7804, 75.2081

Protanopia

32.5597, 31.5733, 67.9965

Deuteranopia

32.4030, 31.5308, 77.0513



Tritanopia

22.6315, 31.7533, 49.1922

Trichromacy



Original Color

27.4571, 31.7804, 75.2081

Protanomaly

29.4660, 30.8825, 70.7376

Deuteranomaly

29.7632, 31.1578, 76.3969

Tritanomaly

23.9279, 31.4138, 57.6257

Monochromacy



Original Color

27.4571, 31.7804, 75.2081

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.4278, 25.5613, 40.3110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4571, 31.7804, 75.2081 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(45, 162, 224)` looks like.

```
.text, #text, p{  
    color:rgb(45, 162, 224)  
}
```

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(45, 162, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 162, 224) }
```

Border

The CSS property to change the border of an element to XYZ 27.4571, 31.7804, 75.2081 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(45, 162, 224) }
```


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

```
.border{ border-color:rgb(45, 162, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 162, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 162, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 162, 224);  
box-shadow:4px 4px 4px 4px rgb(45, 162,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4571, 31.7804, 75.2081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 162, 224) }
```

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

```
.background{ background-color: rgb(45, 162,  
224) }
```

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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