

Converting Colors

XYZ(24.1854, 27.7899, 71.3209)

Have a look what the booklet for
XYZ(24.1854, 27.7899, 71.3209)
contains.

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Color

**XYZ(24.2150, 27.9163,
71.1300)**

Conversions

Conversions Part 1

Format	Color
Hex	0399DB
RGB	3, 153, 219
RGB Percent	1%, 60%, 86%
CMY	0.9880, 0.4000, 0.1412
CMYK	0.99, 0.30, 0.00, 0.14
HSL	198°, 97%, 44%
HSV	198°, 99%, 86%
XYZ	24.2150, 27.9163, 71.1300
YIQ	115.6740, -110.5860, -11.2740

Conversions

Conversions Part 2

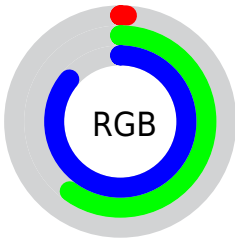
Format	Color
R _Y B	3, 92, 219
Decimal	235995
CIE Lab	59.81, -9.81, -42.83
CIE LCh	60, 43.935, 257.098
Yxy	27.9163, 0.1965, 0.2265
Android (android.graphics.Color)	4278426075 (0xFF0399DB)
YUV	115.6740, 50.9397, -98.8151
Hunter-Lab	52.8359, -10.6552, -42.8337

Details

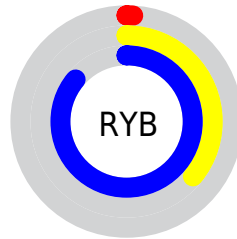
The XYZ color **24.2150, 27.9163, 71.1300** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **31.3620, 19.3300, 2.1659**, and the grayscale version is **16.3799, 17.2329, 18.7666**.

A 20% lighter version of the original color is **46.0717, 54.7887, 102.7548**, and **11.4522, 12.1831, 36.8699** is the 20% darker color. If you saturate the color by 10%, you get **24.0255, 27.5929, 71.0782**, and if you desaturate by 10%, it is **25.7041, 30.3566, 71.5231**.

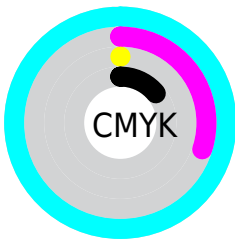
Distribution



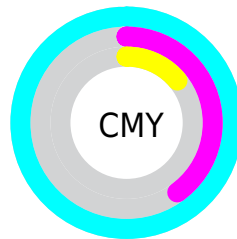
- Red (1%)
- Green (60%)
- Blue (86%)



- Red (1%)
- Yellow (36%)
- Blue (86%)



- Cyan (99%)
- Magenta (30%)
- Yellow (0%)
- Black (14%)



- Cyan (99%)
- Magenta (40%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2150, 27.9163, 71.1300 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 24.2150, 27.9163, 71.1300 by changing the saturation by 10% instead.

■ 24.2150, 27.9163,
71.1300

■ 24.2150, 27.9163,
71.1300

266.3260,
292.0668, 483.4037

■ 15.6188, 18.2626,
51.9658

■ 49.8329, 56.3508,
122.5150

■ 9.3439, 11.1387,
36.5958

■ 67.5854, 75.9003,
155.5729

■ 5.0251, 6.1602,
24.6013

■ 89.1206, 99.5173,
194.0991

■ 2.2969, 2.9427,
15.5640

■ 114.8040,
127.5860, 238.5121

■ 0.7931, 1.1019,
9.0651

■ 145.0009,
160.4909, 289.2306

■ 0.0000, 0.0000,
4.6863

180.0766,

■ 0.0000, 0.0000,

198.6164, 346.6729

2.0089

220.3965,
242.3469, 411.2578

■ 0.0000, 0.0000,
0.5607

■ 0.0000, 0.0000,
0.0000

■ 24.2150, 27.9163,
71.1300

■ 24.2150, 27.9163,
71.1300

■ 24.0255, 27.5929,
71.0782

■ 25.7041, 30.3566,
71.5231

■ 27.6589, 33.1293,
71.9553

■ 30.1826, 36.2893,
72.4322

■ 33.3428, 39.8730,
72.9574

■ 37.1972, 43.9114,
73.5337

■ 41.7966, 48.4320,
74.1639

■ 47.1866, 53.4596,
74.8502

■ 53.4091, 59.0171,
75.5950

■ 60.5029, 65.1258,
76.4002

Harmonies

Analogous

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



19.8946, 27.9163, 58.8296



24.2150, 27.9163, 71.1300



29.8061, 27.9163, 70.1111

Triad

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



24.2150, 27.9163, 71.1300



38.1336, 27.9163, 22.2459



19.4408, 27.9163, 13.9411

Complementary

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



24.2150, 27.9163, 71.1300



31.3620, 19.3300, 2.1659

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.



23.5098, 27.9163, 9.5043



24.2150, 27.9163, 71.1300



34.5062, 27.9163, 13.0185

Square

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



24.2150, 27.9163, 71.1300



38.3924, 27.9163, 37.7663



28.9957, 27.9163, 9.2392



17.4091, 27.9163, 24.0532

Rectangle

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



24.2150, 27.9163, 71.1300



33.5266, 27.9163, 61.9825



28.9957, 27.9163, 9.2392



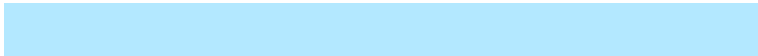
20.5876, 27.9163, 11.9176

Sweetspot

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



24.2160, 27.9172, 71.1307



65.2746, 74.2433, 105.4978



26.4085, 51.0987, 13.9144



13.2663, 15.2371, 22.4918



0.0000, 0.0000, 0.0000



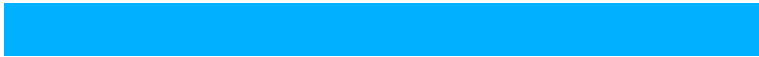
20.3446, 21.4041, 23.3091

Same Dimension

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



24.2160, 27.9172, 71.1307



33.7848, 38.6896, 100.2949



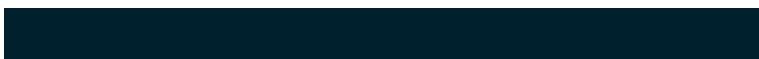
13.8112, 7.1075, 67.6624



13.0916, 14.1229, 16.6881



14.3467, 16.5628, 42.1792



1.0042, 1.2226, 2.7575

Inverse Universe

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



34.9968, 17.4265, 31.6568



49.1822, 24.4369, 43.7530



44.7190, 46.0439, 6.6182



13.4361, 13.2035, 15.5576



20.7369, 10.2958, 18.7923



1.3812, 0.6821, 1.4162

Previews

White Background



This preview shows how the XYZ color 24.2150, 27.9163, 71.1300 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2150, 27.9163, 71.1300 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 × Fail

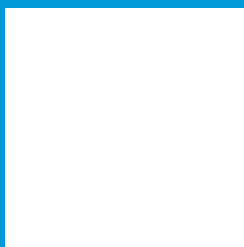
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.2150, 27.9163, 71.1300

Background



This preview shows how black text looks on a background with the XYZ color 24.2150, 27.9163, 71.1300.

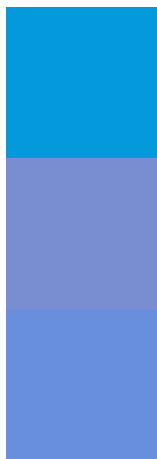


This preview shows how white text looks on a background with the XYZ color 24.2150, 27.9163,

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

24.2150, 27.9163, 71.1300

Protanopia

28.9187, 27.7182, 64.1476

Deuteranopia

28.4671, 27.7489, 72.2623



Tritanopia

19.7488, 27.7365, 42.8409

Trichromacy



Original Color

24.2150, 27.9163, 71.1300

Protanomaly

25.2775, 26.6746, 66.7672

Deuteranomaly

25.6667, 27.2280, 71.6129

Tritanomaly

21.1466, 27.7512, 51.8189

Monochromacy



Original Color

24.2150, 27.9163, 71.1300

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.5017, 19.4963, 33.0304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2150, 27.9163, 71.1300 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(3, 153, 219)` looks like.

```
.text, #text, p{  
    color:rgb(3, 153, 219)  
}
```

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(3, 153, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 153, 219) }
```

Border

The CSS property to change the border of an element to XYZ 24.2150, 27.9163, 71.1300 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(3, 153, 219) }
```


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

```
.border{ border-color:rgb(3, 153, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 153, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 153, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 153, 219);  
box-shadow:4px 4px 4px 4px rgb(3, 153,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2150, 27.9163, 71.1300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 153, 219) }
```

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

```
.background{ background-color: rgb(3, 153,  
219) }
```

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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