

Converting Colors

XYZ(24.8181, 22.2779, 92.6145)

Have a look what the booklet for
XYZ(24.8181, 22.2779, 92.6145)
contains.

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Color

**XYZ(24.8181, 22.2779,
92.6145)**

Conversions

Conversions Part 1

Format	Color
Hex	0080F9
RGB	0, 128, 249
RGB Percent	0%, 50%, 98%
CMY	0.9997, 0.4980, 0.0235
CMYK	1.00, 0.49, 0.00, 0.02
HSL	209°, 100%, 49%
HSV	209°, 100%, 98%
XYZ	24.8181, 22.2779, 92.6145
YIQ	103.5220, -115.1290, 10.4950

Conversions

Conversions Part 2

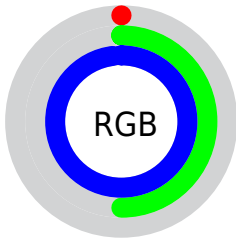
Format	Color
R _Y B	0, 85, 249
Decimal	33017
CIE Lab	54.32, 16.47, -68.25
CIE LCh	54, 70.215, 283.570
Yxy	22.2779, 0.1776, 0.1595
Android (android.graphics.Color)	4278223097 (0xFF0080F9)
YUV	103.5220, 71.7207, -90.7888
Hunter-Lab	47.1995, 11.2586, -83.2988

Details

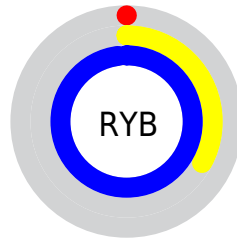
The XYZ color **24.8181, 22.2779, 92.6145** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **45.9144, 33.8338, 4.1128**, and the grayscale version is **12.8744, 13.5448, 14.7503**.

A 20% lighter version of the original color is **40.9268, 43.2420, 100.7972**, and **12.3831, 9.5431, 51.0585** is the 20% darker color. If you saturate the color by 10%, you get **24.8133, 22.2681, 92.6134**, and if you desaturate by 10%, it is **26.8926, 25.8326, 93.1918**.

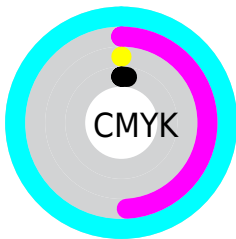
Distribution



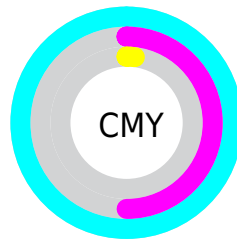
- Red (0%)
- Green (50%)
- Blue (98%)



- Red (0%)
- Yellow (33%)
- Blue (98%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (50%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8181, 22.2779, 92.6145 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 24.8181, 22.2779, 92.6145 by changing the saturation by 10% instead.

■ 24.8181, 22.2779,
92.6145

■ 24.8181, 22.2779,
92.6145

269.2952,
263.9941, 557.2876

■ 16.0696, 14.0612,
69.5653

■ 50.8070, 47.2049,
152.9319

■ 9.6646, 8.1633,
50.6976

■ 68.7781, 64.6840,
191.0371

■ 5.2377, 4.1996,
35.5929

■ 90.5541, 86.0194,
234.9980

■ 2.4236, 1.7858,
23.8328

■ 116.5004,
111.5954, 285.2332

■ 0.8569, 0.4783,
14.9986

■ 146.9823,
141.7965, 342.1612

■ 0.0000, 0.0000,
8.6718

182.3651,

■ 0.0000, 0.0000,

177.0071, 406.2006

4.4338

223.0143,
217.6115, 477.7699

■ 0.0000, 0.0000,
1.8662

■ 0.0000, 0.0000,
0.4711

■ 24.8181, 22.2779,
92.6145

■ 24.8181, 22.2779,
92.6145

■ 24.8133, 22.2681,
92.6134

■ 26.8926, 25.8326,
93.1918

■ 29.6704, 30.0386,
93.8573

■ 33.3146, 34.9891,
94.6208

■ 37.9259, 40.7444,
95.4886

■ 43.5893, 47.3566,
96.4664

■ 50.3797, 54.8720,
97.5591

■ 58.3645, 63.3330,
98.7714

■ 67.6055, 72.7788,
100.1076

■ 78.1600, 83.2459,
101.5716

Harmonies

Analogous

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



17.2790, 22.2779, 91.2905



24.8181, 22.2779, 92.6145



33.0223, 22.2779, 69.3956

Triad

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



24.8181, 22.2779, 92.6145



33.7258, 22.2779, 5.2617



9.9639, 22.2779, 14.1825

Complementary

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



24.8181, 22.2779, 92.6145



45.9144, 33.8338, 4.1128

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.



12.5654, 22.2779, 4.7426



24.8181, 22.2779, 92.6145



25.6154, 22.2779, 2.1307

Square

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



24.8181, 22.2779, 92.6145



38.9419, 22.2779, 15.6516



17.9062, 22.2779, 2.0249



9.8493, 22.2779, 35.5492

Rectangle

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



24.8181, 22.2779, 92.6145



37.2741, 22.2779, 48.2663



17.9062, 22.2779, 2.0249



10.5418, 22.2779, 9.9183

Sweetspot

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



24.8192, 22.2785, 92.6151



61.5482, 66.7905, 104.2557



37.2908, 69.1178, 29.2694



12.3792, 13.4629, 22.1961



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.



24.8192, 22.2785, 92.6151



26.1724, 23.4648, 97.7575



17.1458, 6.9318, 90.0573



17.0207, 18.1183, 21.9854



13.4250, 12.2056, 49.6219



1.3496, 1.3428, 4.6312

Inverse Universe

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



42.9643, 21.7001, 22.3462



45.3398, 22.8999, 23.5194



71.6752, 85.3553, 12.6998



17.6170, 17.3742, 19.8388



23.0684, 11.6431, 12.3343



2.1901, 1.0998, 1.4245

Previews

White Background



This preview shows how the XYZ color 24.8181, 22.2779, 92.6145 looks on a white background.

Color Contrast Check

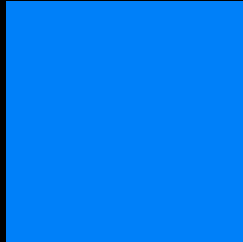
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8181, 22.2779, 92.6145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

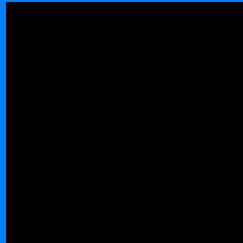
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

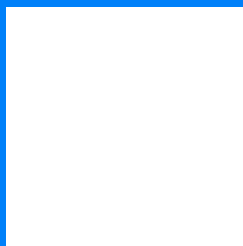
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8181, 22.2779, 92.6145

Background



This preview shows how black text looks on a background with the XYZ color 24.8181, 22.2779, 92.6145.



This preview shows how white text looks on a background with the XYZ color 24.8181, 22.2779,

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

24.8181, 22.2779, 92.6145

Protanopia

25.9548, 22.3452, 90.1339

Deuteranopia

22.5342, 22.2157, 77.9633



Tritanopia

15.7230, 22.2464, 33.6023

Trichromacy



Original Color

24.8181, 22.2779, 92.6145

Protanomaly

25.0861, 22.0684, 90.9331

Deuteranomaly

23.4024, 22.3470, 83.2007

Tritanomaly

18.1656, 21.8078, 50.8289

Monochromacy



Original Color

24.8181, 22.2779, 92.6145

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.2377, 15.4028, 34.1209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8181, 22.2779, 92.6145 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(0, 128, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 249)  
}
```

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(0, 128, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 249) }
```

Border

The CSS property to change the border of an element to XYZ 24.8181, 22.2779, 92.6145 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(0, 128, 249) }
```


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

```
.border{ border-color:rgb(0, 128, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 128, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8181, 22.2779, 92.6145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 249) }
```

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

```
.background{ background-color: rgb(0, 128,  
249) }
```

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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