

Converting Colors

XYZ(24.4445, 20.1053, 92.9526)

Have a look what the booklet for
XYZ(24.4445, 20.1053, 92.9526)
contains.

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Color

**XYZ(24.4159, 20.0368,
93.0231)**

Conversions

Conversions Part 1

Format	Color
Hex	2675FA
RGB	38, 117, 250
RGB Percent	15%, 46%, 98%
CMY	0.8509, 0.5412, 0.0196
CMYK	0.85, 0.53, 0.00, 0.02
HSL	218°, 95%, 56%
HSV	218°, 85%, 98%
XYZ	24.4159, 20.0368, 93.0231
YIQ	108.5410, -89.7770, 24.6150

Conversions

Conversions Part 2

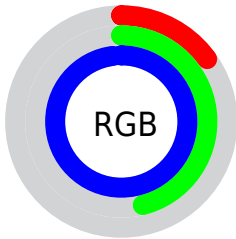
Format	Color
R _Y B	38, 96, 250
Decimal	2520570
CIE Lab	51.88, 25.26, -72.74
CIE LCh	52, 77.005, 289.152
Yxy	20.0368, 0.1776, 0.1457
Android (android.graphics.Color)	4280710650 (0xFF2675FA)
YUV	108.5410, 69.7393, -61.8645
Hunter-Lab	44.7625, 19.0293, -91.8797

Details

The XYZ color **24.4159, 20.0368, 93.0231** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **54.3421, 49.5988, 8.5450**, and the grayscale version is **14.2360, 14.9774, 16.3104**.

A 20% lighter version of the original color is **39.9378, 39.2902, 100.0866**, and **11.7046, 8.1861, 50.8323** is the 20% darker color. If you saturate the color by 10%, you get **22.1060, 16.3565, 92.4350**, and if you desaturate by 10%, it is **27.6514, 24.6489, 93.7433**.

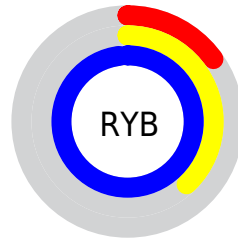
Distribution



Red (15%)

Green (46%)

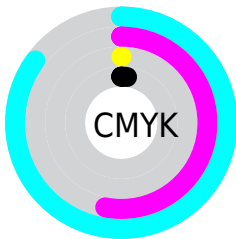
Blue (98%)



Red (15%)

Yellow (38%)

Blue (98%)

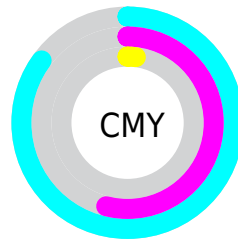


Cyan (85%)

Magenta (53%)

Yellow (0%)

Black (2%)



Cyan (85%)

Magenta (54%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4159, 20.0368, 93.0231 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 24.4159, 20.0368, 93.0231 by changing the saturation by 10% instead.

■ 24.4159, 20.0368,
93.0231

■ 24.4159, 20.0368,
93.0231

267.3181,
252.1143, 558.6384

■ 15.7688, 12.4218,
69.9029

■ 50.1578, 43.4789,
153.5026

■ 9.4505, 7.0316,
50.9711

■ 67.9833, 60.0747,
191.6990

■ 5.0956, 3.4819,
35.8090

■ 89.5990, 80.4330,
235.7578

■ 2.3388, 1.3882,
23.9982

■ 115.3703,
104.9381, 286.0977

■ 0.8144, 0.2080,
15.1201

■ 145.6625,
133.9743, 343.1372

■ 0.0000, 0.0000,
8.7562

180.8410,

■ 0.0000, 0.0000,

167.9262, 407.2948

4.4878

221.2710,
207.1780, 478.9890

■ 0.0000, 0.0000,
1.8966

■ 0.0000, 0.0000,
0.4906

■ 24.4159, 20.0368,
93.0231

■ 24.4159, 20.0368,
93.0231

■ 22.1060, 16.3565,
92.4350

■ 27.6514, 24.6489,
93.7433

■ 21.1824, 14.7561,
92.1748

■ 31.9304, 30.2746,
94.6037

■ 37.3542, 36.9858,
95.6132

■ 44.0099, 44.8463,
96.7796

■ 51.9757, 53.9137,
98.1100

■ 61.3229, 64.2419,
99.6109

■ 72.1172, 75.8806,
101.2884

■ 84.4201, 88.8772,
103.1486

■ 94.2554, 99.6822,
104.7158

Harmonies

Analogous

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



16.3522, 20.0368, 97.3320



24.4159, 20.0368, 93.0231



32.8340, 20.0368, 63.8442

Triad

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



24.4159, 20.0368, 93.0231



30.6696, 20.0368, 2.7644



7.7646, 20.0368, 14.6739

Complementary

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



24.4159, 20.0368, 93.0231



54.3421, 49.5988, 8.5450

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.



9.7840, 20.0368, 4.0327



24.4159, 20.0368, 93.0231



22.0169, 20.0368, 0.9660

Square

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



24.4159, 20.0368, 93.0231



37.0735, 20.0368, 10.5186



14.5248, 20.0368, 1.1824



8.0786, 20.0368, 39.2146

Rectangle

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



24.4159, 20.0368, 93.0231



36.8367, 20.0368, 41.0122



14.5248, 20.0368, 1.1824



8.1648, 20.0368, 9.7991

Sweetspot

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



24.4169, 20.0373, 93.0237



63.8996, 66.9305, 104.1587



42.1232, 71.6390, 49.0171



12.9075, 13.4821, 22.1719



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.



24.4169, 20.0373, 93.0237



22.1428, 15.4056, 96.4143



19.9835, 9.3385, 91.1923



16.8128, 17.7024, 21.9161



11.3620, 8.0796, 48.9342



1.1502, 0.9440, 4.5648

Inverse Universe

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



43.3293, 22.9962, 18.9847



43.3058, 22.0863, 12.8086



65.6716, 84.5627, 14.6966



17.5120, 17.3322, 19.2861



22.0271, 11.2265, 6.8509



2.0895, 1.0595, 0.8946

Previews

White Background



This preview shows how the XYZ color 24.4159, 20.0368, 93.0231 looks on a white background.

Color Contrast Check

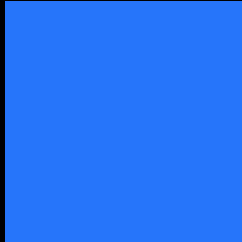
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4159, 20.0368, 93.0231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

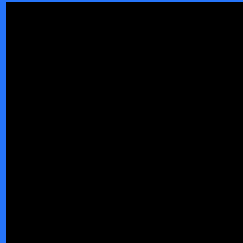
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

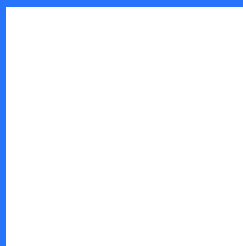
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.4159, 20.0368, 93.0231

Background



This preview shows how black text looks on a background with the XYZ color 24.4159, 20.0368, 93.0231.



This preview shows how white text looks on a background with the XYZ color 24.4159, 20.0368,

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

24.4159, 20.0368, 93.0231

Protanopia

24.0037, 19.9800, 93.8582

Deuteranopia

19.9852, 19.9315, 68.4395



Tritanopia

13.9150, 19.6527, 29.8480

Trichromacy



Original Color

24.4159, 20.0368, 93.0231

Protanomaly

24.1795, 20.0706, 93.8664

Deuteranomaly

21.4069, 19.9164, 76.8447

Tritanomaly

16.5786, 19.2128, 47.6344

Monochromacy



Original Color

24.4159, 20.0368, 93.0231

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.7066, 15.9654, 35.5115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4159, 20.0368, 93.0231 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(38, 117, 250)` looks like.

```
.text, #text, p{  
  color:rgb(38, 117, 250)  
}
```

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(38, 117, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 117, 250) }
```

Border

The CSS property to change the border of an element to XYZ 24.4159, 20.0368, 93.0231 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(38, 117, 250) }
```


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

```
.border{ border-color:rgb(38, 117, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 117, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 117, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 117, 250);  
box-shadow:4px 4px 4px 4px rgb(38, 117,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4159, 20.0368, 93.0231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 117, 250) }
```

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

```
.background{ background-color: rgb(38, 117,  
250) }
```

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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