

Converting Colors

XYZ(24.3785, 18.8055, 93.6817)

Have a look what the booklet for
XYZ(24.3785, 18.8055, 93.6817)
contains.

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Color

**XYZ(24.4047, 18.8470,
93.6183)**

Conversions

Conversions Part 1

Format	Color
Hex	346EFB
RGB	52, 110, 251
RGB Percent	20%, 43%, 98%
CMY	0.7960, 0.5686, 0.0157
CMYK	0.79, 0.56, 0.00, 0.02
HSL	223°, 96%, 59%
HSV	223°, 79%, 98%
XYZ	24.4047, 18.8470, 93.6183
YIQ	108.7320, -79.8290, 31.5550

Conversions

Conversions Part 2

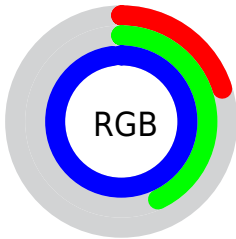
Format	Color
R _Y B	52, 97, 251
Decimal	3436283
CIE Lab	50.51, 31.12, -75.51
CIE LCh	51, 81.674, 292.401
Yxy	18.8470, 0.1783, 0.1377
Android (android.graphics.Color)	4281626363 (0xFF346EFB)
YUV	108.7320, 70.1381, -49.7540
Hunter-Lab	43.4131, 24.3708, -97.4668

Details

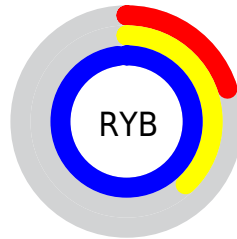
The XYZ color **24.4047, 18.8470, 93.6183** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **59.4781, 58.9054, 11.4859**, and the grayscale version is **14.2860, 15.0300, 16.3677**.

A 20% lighter version of the original color is **39.8481, 37.3769, 99.7220**, and **11.4590, 7.5170, 51.2991** is the 20% darker color. If you saturate the color by 10%, you get **21.7082, 14.8884, 92.9968**, and if you desaturate by 10%, it is **28.1740, 23.9303, 94.4013**.

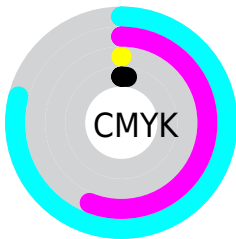
Distribution



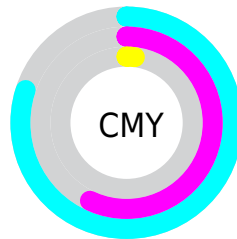
- Red (20%)
- Green (43%)
- Blue (98%)



- Red (20%)
- Yellow (38%)
- Blue (98%)



- Cyan (79%)
- Magenta (56%)
- Yellow (0%)
- Black (2%)



- Cyan (80%)
- Magenta (57%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4047, 18.8470, 93.6183 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 24.4047, 18.8470, 93.6183 by changing the saturation by 10% instead.

■ 24.4047, 18.8470,
93.6183

■ 24.4047, 18.8470,
93.6183

267.2628,
245.6028, 560.6030

■ 15.7605, 11.5598,
70.3950

■ 50.1397, 41.4754,
154.3335

■ 9.4446, 6.4447,
51.3698

■ 67.9612, 57.5854,
192.6624

■ 5.0917, 3.1173,
36.1242

■ 89.5724, 77.4051,
236.8636

■ 2.3365, 1.1933,
24.2397

■ 115.3388,
101.3188, 287.3557

■ 0.8132, 0.0562,
15.2977

145.6257,
129.7111, 344.5571

■ 0.0000, 0.0000,
8.8796

180.7984,

■ 0.0000, 0.0000,

162.9663, 408.8864

4.5670

221.2223,
201.4687, 480.7622

■ 0.0000, 0.0000,
1.9413

■ 0.0000, 0.0000,
0.5188

■ 24.4047, 18.8470,
93.6183

■ 24.4047, 18.8470,
93.6183

■ 21.7082, 14.8884,
92.9968

■ 28.1740, 23.9303,
94.4013

■ 19.9129, 11.9317,
92.5208

■ 33.1299, 30.2287,
95.3558

■ 19.8044, 11.7486,
92.4911

■ 39.3734, 37.8233,
96.4927

■ 46.9931, 46.7873,
97.8213

■ 56.0697, 57.1879,
99.3504

■ 66.6771, 69.0876,
101.0882

■ 78.8842, 82.5451,
103.0424

■ 92.7555, 97.6157,
105.2202

■ 94.4127, 99.7451,
105.5439

Harmonies

Analogous

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



15.9641, 18.8470, 101.8931



24.4047, 18.8470, 93.6183



32.9887, 18.8470, 60.5859

Triad

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



24.4047, 18.8470, 93.6183



28.9732, 18.8470, 1.6970



6.6195, 18.8470, 15.2515

Complementary

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



24.4047, 18.8470, 93.6183



59.4781, 58.9054, 11.4859

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.



8.3149, 18.8470, 3.7096



24.4047, 18.8470, 93.6183



20.0155, 18.8470, 0.4283

Square

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



24.4047, 18.8470, 93.6183



36.1251, 18.8470, 7.9362



12.6893, 18.8470, 0.8090



7.1592, 18.8470, 42.1776

Rectangle

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



24.4047, 18.8470, 93.6183



36.8300, 18.8470, 36.8394



12.6893, 18.8470, 0.8090



6.9238, 18.8470, 9.9133

Sweetspot

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



24.4057, 18.8475, 93.6188



63.6987, 65.5667, 103.9061



45.3521, 73.5003, 61.2634



12.8139, 13.1110, 22.1053



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.



24.4057, 18.8475, 93.6188



21.3317, 13.5424, 96.0974



23.0365, 11.6884, 92.3092



16.6951, 17.4670, 21.8768



10.5183, 6.3922, 48.6530



1.0613, 0.7663, 4.5352

Inverse Universe

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



43.8271, 24.0927, 17.0923



42.9553, 22.1713, 10.2681



62.0400, 83.1218, 16.0252



17.4526, 17.3084, 18.9733



21.6012, 11.0562, 4.6082



2.0446, 1.0416, 0.6584

Previews

White Background



This preview shows how the XYZ color 24.4047, 18.8470, 93.6183 looks on a white background.

Color Contrast Check

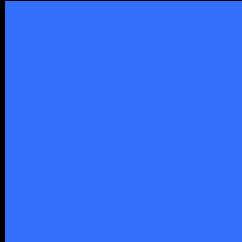
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4047, 18.8470, 93.6183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

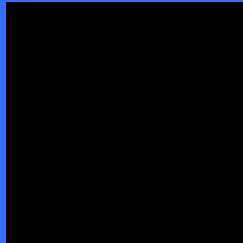
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.4047, 18.8470, 93.6183

Background



This preview shows how black text looks on a background with the XYZ color 24.4047, 18.8470, 93.6183.



This preview shows how white text looks on a background with the XYZ color 24.4047, 18.8470,

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

24.4047, 18.8470, 93.6183

Protanopia

22.4599, 18.7931, 88.0316

Deuteranopia

18.5924, 18.5722, 63.5776



Tritanopia

13.0590, 18.4256, 28.0675

Trichromacy



Original Color

24.4047, 18.8470, 93.6183

Protanomaly

22.9622, 18.6641, 90.3880

Deuteranomaly

20.3376, 18.5316, 73.7392

Tritanomaly

15.8167, 17.8899, 46.3355

Monochromacy



Original Color

24.4047, 18.8470, 93.6183

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.9262, 15.5852, 35.8871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4047, 18.8470, 93.6183 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(52, 110, 251)` looks like.

```
.text, #text, p{  
    color:rgb(52, 110, 251)  
}
```

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(52, 110, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 110, 251) }
```

Border

The CSS property to change the border of an element to XYZ 24.4047, 18.8470, 93.6183 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(52, 110, 251) }
```


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

```
.border{ border-color:rgb(52, 110, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 110, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 110, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 110, 251);  
box-shadow:4px 4px 4px 4px rgb(52, 110,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4047, 18.8470, 93.6183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 110, 251) }
```

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

```
.background{ background-color: rgb(52, 110,  
251) }
```

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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