

Converting Colors

XYZ(23.6867, 18.7624, 94.5497)

Have a look what the booklet for
XYZ(23.6867, 18.7624, 94.5497)
contains.

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Color

**XYZ(23.6741, 18.7760,
94.4718)**

Conversions

Conversions Part 1

Format	Color
Hex	1570FC
RGB	21, 112, 252
RGB Percent	8%, 44%, 99%
CMY	0.9175, 0.5608, 0.0118
CMYK	0.92, 0.56, 0.00, 0.01
HSL	216°, 97%, 54%
HSV	216°, 92%, 99%
XYZ	23.6741, 18.7760, 94.4718
YIQ	100.7510, -99.1760, 24.2480

Conversions

Conversions Part 2

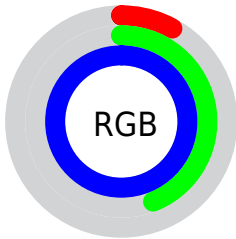
Format	Color
R_{YB}	21, 86, 252
Decimal	1405180
CIE _{Lab}	50.42, 28.28, -76.23
CIE _{LCh}	50, 81.308, 290.355
Yxy	18.7760, 0.1729, 0.1371
Android (android.graphics.Color)	4279595260 (0xFF1570FC)
YUV	100.7510, 74.5658, -69.9416
Hunter-Lab	43.3313, 21.6940, -98.9334

Details

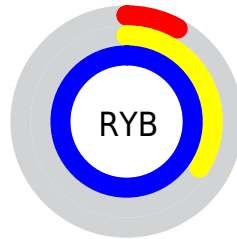
The XYZ color **23.6741, 18.7760, 94.4718** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **53.0337, 46.2555, 6.8446**, and the grayscale version is **12.1418, 12.7741, 13.9110**.

A 20% lighter version of the original color is **38.3497, 37.1274, 99.7528**, and **11.6858, 7.7915, 51.9269** is the 20% darker color. If you saturate the color by 10%, you get **22.0557, 15.9981, 94.0214**, and if you desaturate by 10%, it is **26.3335, 22.8648, 95.1214**.

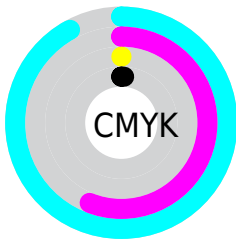
Distribution



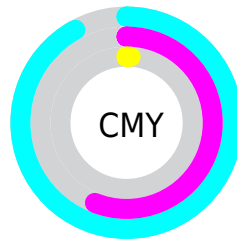
- Red (8%)
- Green (44%)
- Blue (99%)



- Red (8%)
- Yellow (34%)
- Blue (99%)



- Cyan (92%)
- Magenta (56%)
- Yellow (0%)
- Black (1%)



- Cyan (92%)
- Magenta (56%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6741, 18.7760, 94.4718 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 23.6741, 18.7760, 94.4718 by changing the saturation by 10% instead.

■ 23.6741, 18.7760,
94.4718

■ 23.6741, 18.7760,
94.4718

263.6398,
245.2094, 563.4137

■ 15.2155, 11.5085,
71.1010

■ 48.9564, 41.3552,
155.5240

■ 9.0580, 6.4100,
51.9423

■ 66.5108, 57.4358,
194.0424

■ 4.8365, 3.0959,
36.5771

■ 87.8278, 77.2229,
238.4471

■ 2.1854, 1.1820,
24.5870

■ 113.2728,
101.1008, 289.1566

■ 0.7350, 0.0470,
15.5534

■ 143.2112,
129.4541, 346.5895

■ 0.0000, 0.0000,
9.0578

178.0082,

■ 0.0000, 0.0000,

162.6670, 411.1643

4.6816

218.0293,
201.1239, 483.2995

■ 0.0000, 0.0000,
2.0062

■ 0.0000, 0.0000,
0.5591

■ 23.6741, 18.7760,
94.4718

■ 23.6741, 18.7760,
94.4718

■ 22.0557, 15.9981,
94.0214

■ 26.3335, 22.8648,
95.1214

■ 29.9572, 27.8951,
95.9013

■ 34.6601, 33.9449,
96.8212

■ 40.5381, 41.0810,
97.8888

■ 47.6755, 49.3638,
99.1113

■ 56.1485, 58.8482,
100.4954

■ 66.0266, 69.5852,
102.0473

■ 77.3743, 81.6227,
103.7726

■ 90.2519, 95.0058,
105.6771

Harmonies

Analogous

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



15.4179, 18.7760, 100.4285



23.6741, 18.7760, 94.4718



32.3000, 18.7760, 62.7110

Triad

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



23.6741, 18.7760, 94.4718



29.4106, 18.7760, 1.9045



6.6618, 18.7760, 13.9817

Complementary

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



23.6741, 18.7760, 94.4718



53.0337, 46.2555, 6.8446

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.



8.5122, 18.7760, 3.3463



23.6741, 18.7760, 94.4718



20.5166, 18.7760, 0.4739

Square

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



23.6741, 18.7760, 94.4718



36.2330, 18.7760, 8.7304



13.0627, 18.7760, 0.7485



7.0498, 18.7760, 39.6378

Rectangle

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



23.6741, 18.7760, 94.4718



36.3363, 18.7760, 38.8551



13.0627, 18.7760, 0.7485



7.0152, 18.7760, 9.0210

Sweetspot

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



23.6751, 18.7764, 94.4723



62.1970, 65.3996, 103.9530



41.4326, 72.3058, 44.8555



12.5932, 13.2116, 22.1363



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.



23.6751, 18.7764, 94.4723



22.6480, 16.4159, 96.5827



18.8845, 8.1048, 92.6650



16.8438, 17.7644, 21.9264



11.6225, 8.6007, 49.0211



1.1764, 0.9966, 4.5735

Inverse Universe

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



43.3387, 22.4034, 17.3691



43.5608, 22.1883, 14.1513



67.2291, 86.3179, 13.8293



17.5277, 17.3384, 19.3685



22.1585, 11.2791, 7.5433



2.1027, 1.0648, 0.9644

Previews

White Background



This preview shows how the XYZ color 23.6741, 18.7760, 94.4718 looks on a white background.

Color Contrast Check

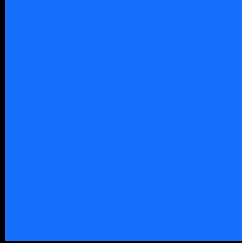
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6741, 18.7760, 94.4718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

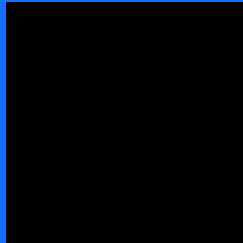
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

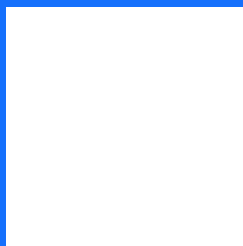
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6741, 18.7760, 94.4718

Background



This preview shows how black text looks on a background with the XYZ color 23.6741, 18.7760, 94.4718.



This preview shows how white text looks on a background with the XYZ color 23.6741, 18.7760,

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

23.6741, 18.7760, 94.4718

Protanopia

22.4599, 18.7931, 88.0316

Deuteranopia

18.5924, 18.5722, 63.5776



Tritanopia

12.9849, 18.3960, 27.6773

Trichromacy



Original Color

23.6741, 18.7760, 94.4718

Protanomaly

22.9060, 18.8017, 90.4175

Deuteranomaly

20.1692, 18.4447, 73.7313

Tritanomaly

15.7742, 18.0551, 46.3696

Monochromacy



Original Color

23.6741, 18.7760, 94.4718

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.7248, 13.8812, 33.4084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6741, 18.7760, 94.4718 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(21, 112, 252)` looks like.

```
.text, #text, p{  
    color:rgb(21, 112, 252)  
}
```

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(21, 112, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 112, 252) }
```

Border

The CSS property to change the border of an element to XYZ 23.6741, 18.7760, 94.4718 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(21, 112, 252) }
```


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

```
.border{ border-color:rgb(21, 112, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 112, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 112, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 112, 252);  
box-shadow:4px 4px 4px 4px rgb(21, 112,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6741, 18.7760, 94.4718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 112, 252) }
```

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

```
.background{ background-color: rgb(21, 112,  
252) }
```

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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