

Converting Colors

XYZ(24.0701, 19.0917, 93.6843)

Have a look what the booklet for
XYZ(24.0701, 19.0917, 93.6843)
contains.

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Color

**XYZ(24.1170, 19.1874,
93.6992)**

Conversions

Conversions Part 1

Format	Color
Hex	2671FB
RGB	38, 113, 251
RGB Percent	15%, 44%, 98%
CMY	0.8509, 0.5569, 0.0157
CMYK	0.85, 0.55, 0.00, 0.02
HSL	219°, 96%, 57%
HSV	219°, 85%, 98%
XYZ	24.1170, 19.1874, 93.6992
YIQ	106.3070, -88.9980, 27.0180

Conversions

Conversions Part 2

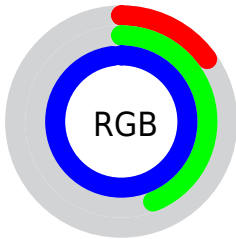
Format	Color
RYP	38, 93, 251
Decimal	2519547
CIELab	50.91, 28.16, -74.88
CIElCh	51, 79.998, 290.607
Yxy	19.1874, 0.1760, 0.1401
Android (android.graphics.Color)	4280709627 (0xFF2671FB)
YUV	106.3070, 71.3336, -59.9052
Hunter-Lab	43.8034, 21.6214, -96.1639

Details

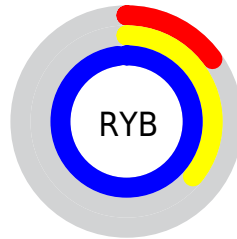
The XYZ color **24.1170, 19.1874, 93.6992** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **55.6639, 51.7091, 8.8827**, and the grayscale version is **13.6138, 14.3228, 15.5975**.

A 20% lighter version of the original color is **39.3515, 37.9085, 99.8508**, and **11.6328, 7.8646, 51.3570** is the 20% darker color. If you saturate the color by 10%, you get **21.8279, 15.5508, 93.1184**, and if you desaturate by 10%, it is **27.3555, 23.7960, 94.4186**.

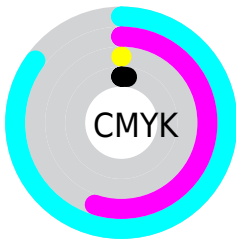
Distribution



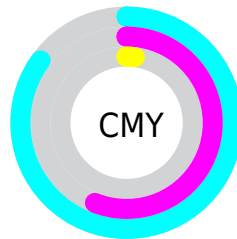
- Red (15%)
- Green (44%)
- Blue (98%)



- Red (15%)
- Yellow (36%)
- Blue (98%)



- Cyan (85%)
- Magenta (55%)
- Yellow (0%)
- Black (2%)



- Cyan (85%)
- Magenta (56%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1170, 19.1874, 93.6992 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 24.1170, 19.1874, 93.6992 by changing the saturation by 10% instead.

■ 24.1170, 19.1874,
93.6992

■ 24.1170, 19.1874,
93.6992

265.8410,
247.4814, 560.8698

■ 15.5456, 11.8058,
70.4619

■ 49.6743, 42.0505,
154.4463

■ 9.2920, 6.6116,
51.4241

■ 67.3910, 58.3008,
192.7933

■ 4.9908, 3.2204,
36.1671

■ 88.8869, 78.2761,
237.0138

■ 2.2766, 1.2478,
24.2726

■ 114.5273,
102.3608, 287.5265

■ 0.7826, 0.1003,
15.3219

■ 144.6775,
130.9392, 344.7499

■ 0.0000, 0.0000,
8.8965

179.7030,

■ 0.0000, 0.0000,

164.3959, 409.1026

4.5778

219.9690,
203.1151, 481.0030

■ 0.0000, 0.0000,
1.9474

■ 0.0000, 0.0000,
0.5226

■ 24.1170, 19.1874,
93.6992

■ 24.1170, 19.1874,
93.6992

■ 21.8279, 15.5508,
93.1184

■ 27.3555, 23.7960,
94.4186

■ 20.9323, 14.0043,
92.8671

■ 31.6645, 29.4631,
95.2853

■ 37.1480, 36.2645,
96.3091

■ 43.8954, 44.2672,
97.4982

■ 51.9871, 53.5326,
98.8601

■ 61.4962, 64.1171,
100.4019

■ 72.4905, 76.0737,
102.1303

■ 85.0331, 89.4521,
104.0515

■ 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.



15.8705, 19.1874, 99.8054



24.1170, 19.1874, 93.6992



32.6598, 19.1874, 62.3981

Triad

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



24.1170, 19.1874, 93.6992



29.6640, 19.1874, 2.0879



6.9878, 19.1874, 14.5705

Complementary

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



24.1170, 19.1874, 93.6992



55.6639, 51.7091, 8.8827

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.



8.8430, 19.1874, 3.6666



24.1170, 19.1874, 93.6992



20.8279, 19.1874, 0.6183

Square

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



24.1170, 19.1874, 93.6992



36.4505, 19.1874, 9.0242



13.4001, 19.1874, 0.9011



7.4006, 19.1874, 40.2270

Rectangle

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



24.1170, 19.1874, 93.6992



36.6252, 19.1874, 38.9030



13.4001, 19.1874, 0.9011



7.3405, 19.1874, 9.5276

Sweetspot

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



24.1180, 19.1879, 93.6997



63.5677, 66.2666, 104.0481



42.8315, 72.4208, 51.2100



12.8293, 13.3256, 22.1459



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.



24.1180, 19.1879, 93.6997



21.6869, 14.4938, 96.2623



20.3817, 9.5256, 92.0317



16.7829, 17.6426, 21.9061



11.1262, 7.6081, 48.8556



1.1260, 0.8957, 4.5567

Inverse Universe

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



43.4584, 23.0893, 17.7890



43.0757, 21.9943, 11.5969



65.1570, 84.7599, 14.7618



17.4969, 17.3261, 19.2067



21.9080, 11.1789, 6.2241



2.0773, 1.0546, 0.8303

Previews

White Background



This preview shows how the XYZ color 24.1170, 19.1874, 93.6992 looks on a white background.

Color Contrast Check

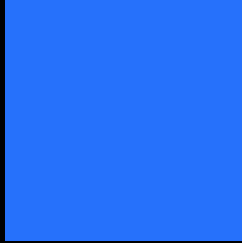
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1170, 19.1874, 93.6992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

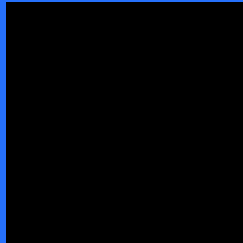
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

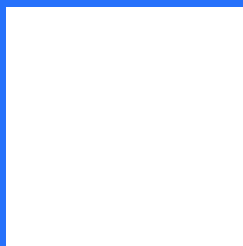
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.1170, 19.1874, 93.6992

Background



This preview shows how black text looks on a background with the XYZ color 24.1170, 19.1874, 93.6992.



This preview shows how white text looks on a background with the XYZ color 24.1170, 19.1874,

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

24.1170, 19.1874, 93.6992

Protanopia

22.8799, 19.1446, 89.6782

Deuteranopia

18.9666, 18.9194, 64.9395



Tritanopia

13.4076, 19.0032, 28.5525

Trichromacy



Original Color

24.1170, 19.1874, 93.6992

Protanomaly

23.2551, 19.1321, 91.2741

Deuteranomaly

20.5054, 18.7780, 74.4953

Tritanomaly

16.0855, 18.3925, 46.9583

Monochromacy



Original Color

24.1170, 19.1874, 93.6992

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.1200, 15.1898, 34.9359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1170, 19.1874, 93.6992 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, 113, 251)` looks like.

```
.text, #text, p{  
    color:rgb(38, 113, 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(38, 113, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 113, 251) }
```

Border

The CSS property to change the border of an element to XYZ 24.1170, 19.1874, 93.6992 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, 113, 251) }
```


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

```
.border{ border-color:rgb(38, 113, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 113, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 113, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 113, 251);  
box-shadow:4px 4px 4px 4px rgb(38, 113,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1170, 19.1874, 93.6992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 113, 251) }
```

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

```
.background{ background-color: rgb(38, 113,  
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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