

Converting Colors

XYZ(23.3026, 18.8574, 89.6004)

Have a look what the booklet for
XYZ(23.3026, 18.8574, 89.6004)
contains.

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Color

**XYZ(23.3026, 18.8574,
89.6004)**

Conversions

Conversions Part 1

Format	Color
Hex	2571F6
RGB	37, 113, 246
RGB Percent	15%, 44%, 96%
CMY	0.8548, 0.5569, 0.0353
CMYK	0.85, 0.54, 0.00, 0.04
HSL	218°, 92%, 55%
HSV	218°, 85%, 96%
XYZ	23.3026, 18.8574, 89.6004
YIQ	105.4380, -87.9890, 25.2510

Conversions

Conversions Part 2

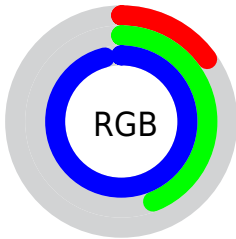
Format	Color
R _Y B	37, 93, 246
Decimal	2454006
CIE Lab	50.52, 26.21, -72.73
CIE LCh	51, 77.309, 289.821
Yxy	18.8574, 0.1769, 0.1431
Android (android.graphics.Color)	4280644086 (0xFF2571F6)
YUV	105.4380, 69.2971, -60.0201
Hunter-Lab	43.4251, 19.7920, -91.9374

Details

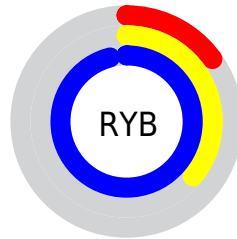
The XYZ color **23.3026, 18.8574, 89.6004** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **52.7197, 48.4850, 8.3321**, and the grayscale version is **13.3830, 14.0800, 15.3331**.

A 20% lighter version of the original color is **39.0712, 37.7640, 99.8376**, and **11.1925, 7.6884, 49.0382** is the 20% darker color. If you saturate the color by 10%, you get **21.0988, 15.3482, 89.0397**, and if you desaturate by 10%, it is **26.4028, 23.2760, 90.2904**.

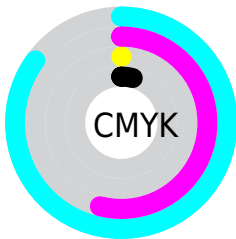
Distribution



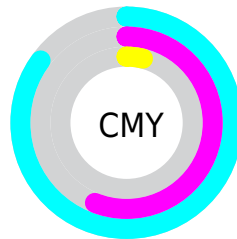
- Red (15%)
- Green (44%)
- Blue (96%)



- Red (15%)
- Yellow (36%)
- Blue (96%)



- Cyan (85%)
- Magenta (54%)
- Yellow (0%)
- Black (4%)



- Cyan (85%)
- Magenta (56%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3026, 18.8574, 89.6004 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 23.3026, 18.8574, 89.6004 by changing the saturation by 10% instead.

■ 23.3026, 18.8574,
89.6004

■ 23.3026, 18.8574,
89.6004

261.7818,
245.6604, 547.2666

■ 14.9390, 11.5673,
67.0774

■ 48.3527, 41.4930,
148.7139

■ 8.8626, 6.4498,
48.6856

■ 65.7700, 57.6073,
186.1414

■ 4.7081, 3.1204,
34.0063

■ 86.9359, 77.4317,
229.3743

■ 2.1100, 1.1949,
22.6210

■ 112.2157,
101.3507, 278.8310

■ 0.6946, 0.0576,
14.1113

■ 141.9749,
129.7487, 334.9300

■ 0.0000, 0.0000,
8.0585

176.5787,

■ 0.0000, 0.0000,

163.0101, 398.0899

4.0441

216.3926,
201.5192, 468.7293

■ 0.0000, 0.0000,
1.6495

■ 0.0000, 0.0000,
0.3258

■ 23.3026, 18.8574,
89.6004

■ 23.3026, 18.8574,
89.6004

■ 21.0988, 15.3482,
89.0397

■ 26.4028, 23.2760,
90.2904

■ 20.2435, 13.8716,
88.7998

■ 30.5137, 28.6843,
91.1176

■ 35.7334, 35.1528,
92.0911

■ 42.1466, 42.7439,
93.2183

■ 49.8289, 51.5145,
94.5063

■ 58.8494, 61.5171,
95.9615

■ 69.2719, 72.8007,
97.5902

■ 81.1561, 85.4117,
99.3980

■ 93.2870, 98.7386,
101.3309

Harmonies

Analogous

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



15.4814, 18.8574, 94.5112



23.3026, 18.8574, 89.6004



31.4390, 18.8574, 60.6603

Triad

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



23.3026, 18.8574, 89.6004



28.9987, 18.8574, 2.3422



7.1055, 18.8574, 14.0341

Complementary

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



23.3026, 18.8574, 89.6004



52.7197, 48.4850, 8.3321

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.



8.9716, 18.8574, 3.7053



23.3026, 18.8574, 89.6004



20.6096, 18.8574, 0.7698

Square

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



23.3026, 18.8574, 89.6004



35.3147, 18.8574, 9.4262



13.4431, 18.8574, 1.0055



7.4514, 18.8574, 38.0749

Rectangle

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



23.3026, 18.8574, 89.6004



35.2660, 18.8574, 38.4440



13.4431, 18.8574, 1.0055



7.4687, 18.8574, 9.2819

Sweetspot

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



23.3036, 18.8579, 89.6009



63.7536, 66.6385, 104.1101



40.9165, 69.1843, 48.9186



12.8731, 13.4132, 22.1605



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.



23.3036, 18.8579, 89.6009



21.9389, 14.9977, 96.3463



19.4694, 9.0984, 87.9192



16.0744, 16.9131, 20.9599



10.9266, 7.6469, 47.4381



1.0545, 0.8604, 4.2007

Inverse Universe

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



41.6492, 22.1098, 17.6953



43.2029, 22.0452, 12.2666



62.2446, 80.9721, 14.1007



16.7481, 16.5821, 18.4202



21.3197, 10.8713, 6.3921



1.9213, 0.9745, 0.8121

Previews

White Background



This preview shows how the XYZ color 23.3026, 18.8574, 89.6004 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 23.3026, 18.8574, 89.6004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

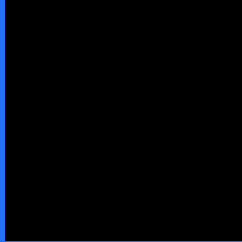
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

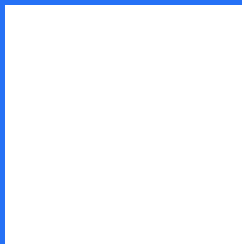
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.3026, 18.8574, 89.6004

Background



This preview shows how black text looks on a background with the XYZ color 23.3026, 18.8574, 89.6004.



This preview shows how white text looks on a background with the XYZ color 23.3026, 18.8574,

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

23.3026, 18.8574, 89.6004

Deuteranopia

18.7174, 18.6222, 64.2360

Tritanopia

13.1952, 18.6981, 28.1129

Trichromacy



Original Color

23.3026, 18.8574, 89.6004

Deuteranomaly

20.2174, 18.6610, 73.0574

Tritanomaly

15.7635, 18.2619, 45.3419

Monochromacy



Original Color

23.3026, 18.8574, 89.6004

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.6716, 14.8309, 33.5419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3026, 18.8574, 89.6004 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(37, 113, 246)` looks like.

```
.text, #text, p{  
    color:rgb(37, 113, 246)  
}
```

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(37, 113, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 113, 246) }
```

Border

The CSS property to change the border of an element to XYZ 23.3026, 18.8574, 89.6004 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(37, 113, 246) }
```

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

```
.border{ border-color:rgb(37, 113, 246) }
```

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

Here you see how a box with a 4 pixel rgb(37, 113, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 113, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 113, 246);  
box-shadow:4px 4px 4px 4px rgb(37, 113,  
246) }
```


Background

The CSS property to change the background color of an element to XYZ 23.3026, 18.8574, 89.6004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 113, 246) }
```

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

```
.background{ background-color: rgb(37, 113,  
246) }
```

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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