

Converting Colors

XYZ(23.8672, 20.0345, 91.4165)

Have a look what the booklet for
XYZ(23.8672, 20.0345, 91.4165)
contains.

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Color

**XYZ(23.8226, 19.9409,
91.4003)**

Conversions

Conversions Part 1

Format	Color
Hex	1976F8
RGB	25, 118, 248
RGB Percent	10%, 46%, 97%
CMY	0.9018, 0.5373, 0.0274
CMYK	0.90, 0.52, 0.00, 0.03
HSL	215°, 94%, 54%
HSV	215°, 90%, 97%
XYZ	23.8226, 19.9409, 91.4003
YIQ	105.0130, -97.1580, 20.7140

Conversions

Conversions Part 2

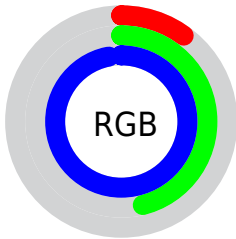
Format	Color
R _Y B	25, 91, 248
Decimal	1668856
CIE Lab	51.77, 23.14, -71.82
CIE LCh	52, 75.454, 287.855
Yxy	19.9409, 0.1762, 0.1475
Android (android.graphics.Color)	4279858936 (0xFF1976F8)
YUV	105.0130, 70.4926, -70.1714
Hunter-Lab	44.6552, 17.0792, -90.0961

Details

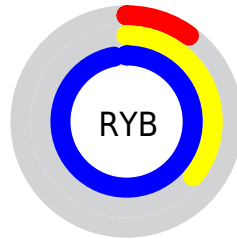
The XYZ color **23.8226, 19.9409, 91.4003** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **50.6146, 43.4811, 6.6467**, and the grayscale version is **13.2680, 13.9590, 15.2014**.

A 20% lighter version of the original color is **39.4404, 39.3089, 100.1164**, and **11.6572, 8.2681, 50.2717** is the 20% darker color. If you saturate the color by 10%, you get **21.8505, 16.5873, 90.8574**, and if you desaturate by 10%, it is **26.5644, 24.0788, 92.0550**.

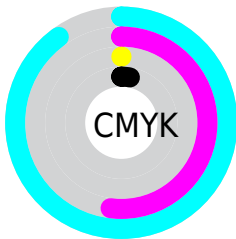
Distribution



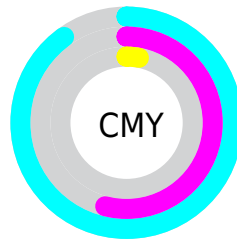
- Red (10%)
- Green (46%)
- Blue (97%)



- Red (10%)
- Yellow (36%)
- Blue (97%)



- Cyan (90%)
- Magenta (52%)
- Yellow (0%)
- Black (3%)



- Cyan (90%)
- Magenta (54%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8226, 19.9409, 91.4003 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 23.8226, 19.9409, 91.4003 by changing the saturation by 10% instead.

■ 23.8226, 19.9409,
91.4003

■ 23.8226, 19.9409,
91.4003

264.3795,
251.5950, 553.2627

■ 15.3261, 12.3521,
68.5624

■ 49.1973, 43.3181,
151.2344

■ 9.1364, 6.9839,
49.8859

■ 66.8063, 59.8752,
189.0677

■ 4.8881, 3.4521,
34.9522

■ 88.1834, 80.1906,
232.7365

■ 2.2158, 1.3720,
23.3428

■ 113.6941,
104.6487, 282.6595

■ 0.7511, 0.1960,
14.6391

■ 143.7037,
133.6337, 339.2550

■ 0.0000, 0.0000,
8.4227

178.5776,

■ 0.0000, 0.0000,

167.5302, 402.9417

4.2750

218.6811,
206.7225, 474.1381

■ 0.0000, 0.0000,
1.7774

■ 0.0000, 0.0000,
0.4130

■ 23.8226, 19.9409,
91.4003

■ 23.8226, 19.9409,
91.4003

■ 21.8505, 16.5873,
90.8574

■ 26.5644, 24.0788,
92.0550

■ 21.8339, 16.5584,
90.8528

■ 30.2377, 29.1010,
92.8308

■ 34.9478, 35.0771,
93.7360

■ 40.7833, 42.0675,
94.7778

■ 47.8223, 50.1266,
95.9623

■ 56.1357, 59.3041,
97.2956

■ 65.7882, 69.6464,
98.7831

■ 76.8401, 81.1967,
100.4301

■ 89.3477, 93.9960,
102.2413

Harmonies

Analogous

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



16.0282, 19.9409, 94.2573



23.8226, 19.9409, 91.4003



32.0618, 19.9409, 63.9331

Triad

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



23.8226, 19.9409, 91.4003



30.6152, 19.9409, 3.0740



7.9154, 19.9409, 14.0108

Complementary

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



23.8226, 19.9409, 91.4003



50.6146, 43.4811, 6.6467

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.



10.0159, 19.9409, 3.9513



23.8226, 19.9409, 91.4003



22.2141, 19.9409, 1.0881

Square

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



23.8226, 19.9409, 91.4003



36.6518, 19.9409, 11.2002



14.7972, 19.9409, 1.2423



8.1289, 19.9409, 37.3315

Rectangle

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



23.8226, 19.9409, 91.4003



36.0713, 19.9409, 41.7404



14.7972, 19.9409, 1.2423



8.3446, 19.9409, 9.4031

Sweetspot

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



23.8236, 19.9414, 91.4009



62.6002, 66.2060, 104.0874



39.5863, 69.5891, 40.7867



12.6873, 13.3999, 22.1677



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.



23.8236, 19.9414, 91.4009



23.2373, 17.5947, 96.7791



18.1629, 7.9232, 89.3795



16.8776, 17.8321, 21.9377



11.9256, 9.2068, 49.1221



1.2065, 1.0567, 4.5835

Inverse Universe

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



42.3300, 21.9613, 19.1476



43.8583, 22.3073, 15.7179



67.3922, 84.5521, 13.6899



17.5448, 17.3453, 19.4586



22.3115, 11.3403, 8.3489



2.1179, 1.0709, 1.0443

Previews

White Background



This preview shows how the XYZ color 23.8226, 19.9409, 91.4003 looks on a white background.

Color Contrast Check

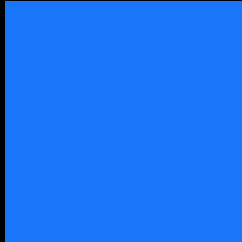
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8226, 19.9409, 91.4003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

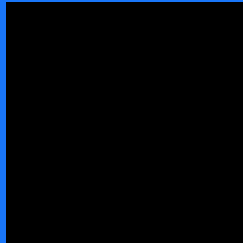
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

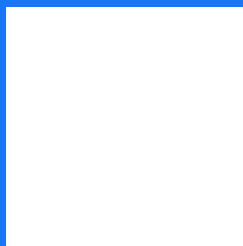
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8226, 19.9409, 91.4003

Background



This preview shows how black text looks on a background with the XYZ color 23.8226, 19.9409, 91.4003.



This preview shows how white text looks on a background with the XYZ color 23.8226, 19.9409,

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

23.8226, 19.9409, 91.4003

Protanopia

23.8737, 19.9672, 91.4027

Deuteranopia

19.8580, 19.6770, 68.3970



Tritanopia

13.9150, 19.6527, 29.8480

Trichromacy



Original Color

23.8226, 19.9409, 91.4003

Protanomaly

23.8477, 19.9538, 91.4015

Deuteranomaly

21.0758, 19.5786, 76.0670

Tritanomaly

16.4064, 19.1360, 47.0849

Monochromacy



Original Color

23.8226, 19.9409, 91.4003

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.6422, 15.1227, 34.0455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8226, 19.9409, 91.4003 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(25, 118, 248)` looks like.

```
.text, #text, p{  
    color:rgb(25, 118, 248)  
}
```

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(25, 118, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 118, 248) }
```

Border

The CSS property to change the border of an element to XYZ 23.8226, 19.9409, 91.4003 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(25, 118, 248) }
```


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

```
.border{ border-color:rgb(25, 118, 248) }
```

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

Here you see how a box with a 4 pixel rgb(25, 118, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 118, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 118, 248);  
box-shadow:4px 4px 4px 4px rgb(25, 118,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8226, 19.9409, 91.4003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 118, 248) }
```

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

```
.background{ background-color: rgb(25, 118,  
248) }
```

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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