

Converting Colors

XYZ(23.7825, 16.9061, 96.6175)

Have a look what the booklet for
XYZ(23.7825, 16.9061, 96.6175)
contains.

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Color

**XYZ(23.8261, 16.9627,
96.6261)**

Conversions

Conversions Part 1

Format	Color
Hex	3064FF
RGB	48, 100, 255
RGB Percent	19%, 39%, 100%
CMY	0.8117, 0.6078, 0.0000
CMYK	0.81, 0.61, 0.00, 0.00
HSL	225°, 100%, 59%
HSV	225°, 81%, 100%
XYZ	23.8261, 16.9627, 96.6261
YIQ	102.1220, -80.7470, 37.1810

Conversions

Conversions Part 2

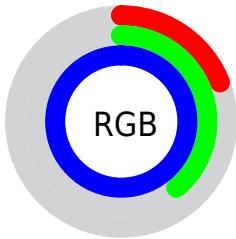
Format	Color
R _Y B	48, 90, 255
Decimal	3171583
CIE Lab	48.21, 38.48, -81.48
CIE LCh	48, 90.114, 295.281
Yxy	16.9627, 0.1734, 0.1234
Android (android.graphics.Color)	4281361663 (0xFF3064FF)
YUV	102.1220, 75.3689, -47.4650
Hunter-Lab	41.1858, 31.1876, -110.2704




Details

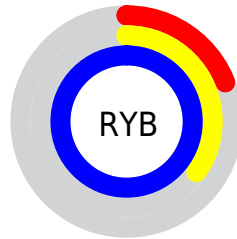
The XYZ color **23.8261, 16.9627, 96.6261** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **63.1349, 64.1956, 11.8619**, and the grayscale version is **12.4874, 13.1377, 14.3069**.


A 20% lighter version of the original color is **37.8584, 33.6219, 99.1021**, and **11.3972, 6.6696, 53.5100** is the 20% darker color. If you saturate the color by 10%, you get **21.3277, 13.2670, 96.0444**, and if you desaturate by 10%, it is **27.4454, 21.8732, 97.3832**.

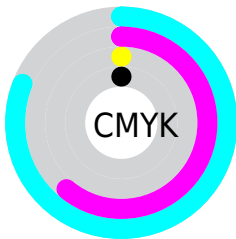
Distribution







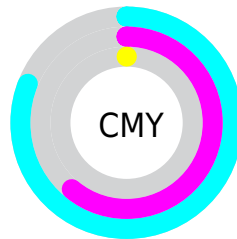
-  Red (19%)
-  Green (39%)
-  Blue (100%)






-  Red (19%)
-  Yellow (35%)
-  Blue (100%)



-  Cyan (81%)
-  Magenta (61%)
-  Yellow (0%)
-  Black (0%)



-  Cyan (81%)
-  Magenta (61%)
-  Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8261, 16.9627, 96.6261 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 23.8261, 16.9627, 96.6261 by changing the saturation by 10% instead.

■ 23.8261, 16.9627,
96.6261

■ 23.8261, 16.9627,
96.6261

264.3969,
234.9573, 570.4745

■ 15.3287, 10.2079,
72.8848

■ 49.2030, 38.2616,
158.5241

■ 9.1382, 5.5370,
53.3905

■ 66.8132, 53.5746,
197.5178

■ 4.8893, 2.5657,
37.7247

■ 88.1918, 72.5090,
242.4327

■ 2.2165, 0.9094,
25.4689

■ 113.7041, 95.4493,
293.6874

■ 0.7514, 0.0000,
16.2046

143.7153,
122.7799, 351.7004

■ 0.0000, 0.0000,
9.5131

178.5910,

■ 0.0000, 0.0000,

154.8852, 416.8902

4.9760

218.6964,
192.1495, 489.6754

■ 0.0000, 0.0000,
2.1747

■ 0.0000, 0.0000,
0.6597

■ 23.8261, 16.9627,
96.6261

■ 23.8261, 16.9627,
96.6261

■ 21.3277, 13.2670,
96.0444

■ 27.4454, 21.8732,
97.3832

■ 19.8855, 10.8911,
95.6618

■ 32.3138, 28.1057,
98.3296

■ 38.5433, 35.7554,
99.4778

■ 46.2322, 44.9074,
100.8390

■ 55.4691, 55.6400,
102.4238

■ 66.3356, 68.0257,
104.2418

■ 78.9072, 82.1323,
106.3020

■ 93.2546, 98.0239,
108.6132

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



14.8615, 16.9627, 109.7348



23.8261, 16.9627, 96.6261



32.8392, 16.9627, 57.9035

Triad

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



23.8261, 16.9627, 96.6261



26.8574, 16.9627, 0.6332



4.9700, 16.9627, 15.0023

Complementary

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



23.8261, 16.9627, 96.6261



63.1349, 64.1956, 11.8619

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.



6.3337, 16.9627, 2.8508



23.8261, 16.9627, 96.6261



17.4530, 16.9627, 0.0000

Square

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



23.8261, 16.9627, 96.6261



34.9650, 16.9627, 5.1284



10.2891, 16.9627, 0.1149



5.6639, 16.9627, 45.2005

Rectangle

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



23.8261, 16.9627, 96.6261



36.6527, 16.9627, 32.4611



10.2891, 16.9627, 0.1149



5.1845, 16.9627, 9.2172

Sweetspot

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



23.8270, 16.9630, 96.6261



63.0888, 64.3468, 103.7028



47.3825, 76.3099, 66.7564



12.6702, 12.8235, 22.0573



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.



23.8270, 16.9630, 96.6261



20.3214, 11.6206, 95.7797



23.9649, 11.8395, 95.6299



17.3736, 18.1188, 22.8315



10.4896, 5.8888, 50.0184



1.1037, 0.7382, 4.8976

Inverse Universe

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



44.5980, 24.2957, 14.3953



42.4212, 21.8653, 7.7404



61.9436, 84.9565, 15.9320



18.1965, 18.0619, 19.6518



22.0829, 11.3224, 3.8209



2.1917, 1.1191, 0.5911

Previews

White Background



This preview shows how the XYZ color 23.8261, 16.9627, 96.6261 looks on a white 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

Black Background



This preview shows how the XYZ color 23.8261, 16.9627, 96.6261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

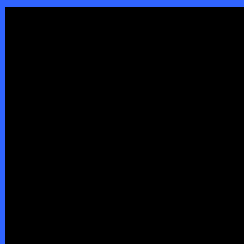
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

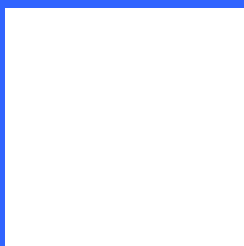
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8261, 16.9627, 96.6261

Background



This preview shows how black text looks on a background with the XYZ color 23.8261, 16.9627, 96.6261.



This preview shows how white text looks on a background with the XYZ color 23.8261, 16.9627,

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

23.8261, 16.9627, 96.6261

Protanopia

19.8924, 16.7068, 77.7776

Deuteranopia

16.5542, 16.6143, 56.3672



Tritanopia

11.7639, 16.6429, 25.1466

Trichromacy



Original Color

23.8261, 16.9627, 96.6261

Protanomaly

21.1134, 16.7185, 84.5523

Deuteranomaly

18.5933, 16.3855, 69.2006

Tritanomaly

14.6283, 16.0561, 44.4476

Monochromacy



Original Color

23.8261, 16.9627, 96.6261

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.3049, 13.5698, 34.2130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8261, 16.9627, 96.6261 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(48, 100, 255)` looks like.

```
.text, #text, p{  
    color:rgb(48, 100, 255)  
}
```

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(48, 100, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 100, 255) }
```

Border

The CSS property to change the border of an element to XYZ 23.8261, 16.9627, 96.6261 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(48, 100, 255) }
```


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

```
.border{ border-color:rgb(48, 100, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 100, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 100, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 100, 255);  
box-shadow:4px 4px 4px 4px rgb(48, 100,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8261, 16.9627, 96.6261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 100, 255) }
```

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

```
.background{ background-color: rgb(48, 100,  
255) }
```

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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