

Converting Colors

XYZ(23.5061, 17.5288, 96.7522)

Have a look what the booklet for
XYZ(23.5061, 17.5288, 96.7522)
contains.

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Color

**XYZ(23.5025, 17.5298,
96.7526)**

Conversions

Conversions Part 1

Format	Color
Hex	1969FF
RGB	25, 105, 255
RGB Percent	10%, 41%, 100%
CMY	0.9018, 0.5882, 0.0000
CMYK	0.90, 0.59, 0.00, 0.00
HSL	219°, 100%, 55%
HSV	219°, 90%, 100%
XYZ	23.5025, 17.5298, 96.7526
YIQ	98.1800, -95.8300, 29.6900

Conversions

Conversions Part 2

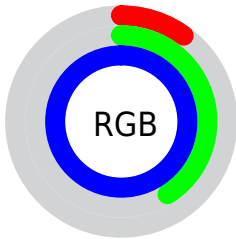
Format	Color
R _Y B	25, 84, 255
Decimal	1665535
CIE Lab	48.92, 34.00, -80.35
CIE LCh	49, 87.244, 292.936
Yxy	17.5298, 0.1706, 0.1272
Android (android.graphics.Color)	4279855615 (0xFF1969FF)
YUV	98.1800, 77.3123, -64.1789
Hunter-Lab	41.8686, 26.9290, -107.7030

Details

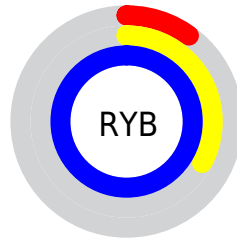
The XYZ color **23.5025, 17.5298, 96.7526** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **56.7540, 52.0065, 7.9690**, and the grayscale version is **11.4882, 12.0865, 13.1622**.

A 20% lighter version of the original color is **37.5462, 34.9189, 99.3689**, and **11.6420, 7.1591, 53.5916** is the 20% darker color. If you saturate the color by 10%, you get **21.5946, 14.3092, 96.2315**, and if you desaturate by 10%, it is **26.3067, 21.7409, 97.4176**.

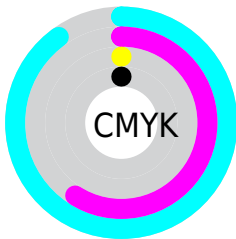
Distribution



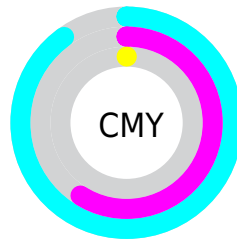
- Red (10%)
- Green (41%)
- Blue (100%)



- Red (10%)
- Yellow (33%)
- Blue (100%)



- Cyan (90%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5025, 17.5298, 96.7526 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 23.5025, 17.5298, 96.7526 by changing the saturation by 10% instead.

■ 23.5025, 17.5298,
96.7526

■ 23.5025, 17.5298,
96.7526

262.7829,
238.2072, 570.8877

■ 15.0877, 10.6129,
72.9896

■ 48.6777, 39.2345,
158.7000

■ 8.9677, 5.8072,
53.4757

■ 66.1689, 54.7911,
197.7215

■ 4.7771, 2.7282,
37.7923

■ 87.4162, 73.9964,
242.6663

■ 2.1505, 0.9915,
25.5210

■ 112.7851, 97.2348,
293.9528

■ 0.7164, 0.0000,
16.2431

■ 142.6408,
124.8907, 351.9997

■ 0.0000, 0.0000,
9.5401

177.3488,

■ 0.0000, 0.0000,

157.3484, 417.2254

4.9935

217.2744,
194.9925, 490.0486

■ 0.0000, 0.0000,
2.1848

■ 0.0000, 0.0000,
0.6656

■ 23.5025, 17.5298,
96.7526

■ 23.5025, 17.5298,
96.7526

■ 21.5946, 14.3092,
96.2315

■ 26.3067, 21.7409,
97.4176

■ 30.1604, 27.0115,
98.2319

■ 35.1822, 33.4272,
99.2055

■ 41.4722, 41.0627,
100.3478

■ 49.1191, 49.9853,
101.6670

■ 58.2029, 60.2567,
103.1708

■ 68.7971, 71.9346,
104.8665

■ 80.9700, 85.0727,
106.7608

■ 94.7856, 99.7219,
108.8603

Harmonies

Analogous

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



14.8177, 17.5298, 106.4740



23.5025, 17.5298, 96.7526



32.4473, 17.5298, 60.6013

Triad

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



23.5025, 17.5298, 96.7526



27.9294, 17.5298, 1.0312



5.4876, 17.5298, 14.1079

Complementary

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



23.5025, 17.5298, 96.7526



56.7540, 52.0065, 7.9690

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.



7.0633, 17.5298, 2.8454



23.5025, 17.5298, 96.7526



18.6523, 17.5298, 0.0000

Square

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



23.5025, 17.5298, 96.7526



35.5285, 17.5298, 6.4421



11.2964, 17.5298, 0.2796



6.0361, 17.5298, 42.2982

Rectangle

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



23.5025, 17.5298, 96.7526



36.4409, 17.5298, 35.4069



11.2964, 17.5298, 0.2796



5.7628, 17.5298, 8.7576

Sweetspot

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



23.5034, 17.5301, 96.7526



61.4049, 63.8154, 103.6890



43.8521, 74.8033, 52.4350



12.4086, 12.8425, 22.0748



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.



23.5034, 17.5301, 96.7526



21.5946, 14.3092, 96.2315



20.2340, 8.8632, 95.2521



17.5195, 18.4106, 22.8802



11.4090, 7.7276, 50.3248



1.2084, 0.9475, 4.9325

Inverse Universe

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



44.1383, 22.9769, 15.4730



43.0291, 21.9757, 11.3515



65.6045, 86.8851, 14.2348



18.2701, 18.0914, 20.0396



22.5469, 11.5081, 6.2646



2.2446, 1.1402, 0.8693

Previews

White Background



This preview shows how the XYZ color 23.5025, 17.5298, 96.7526 looks on a white background.

Color Contrast Check

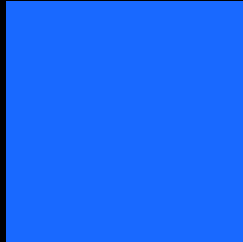
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5025, 17.5298, 96.7526 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

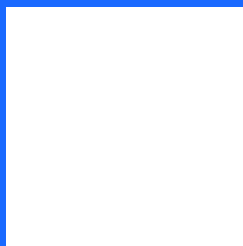
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5025, 17.5298, 96.7526

Background



This preview shows how black text looks on a background with the XYZ color 23.5025, 17.5298, 96.7526.



This preview shows how white text looks on a background with the XYZ color 23.5025, 17.5298,

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

23.5025, 17.5298, 96.7526

Protanopia

20.6798, 17.3670, 80.8595

Deuteranopia

17.1391, 17.2211, 58.2978



Tritanopia

12.1631, 17.2159, 25.9745

Trichromacy



Original Color

23.5025, 17.5298, 96.7526

Protanomaly

21.6083, 17.4062, 86.2252

Deuteranomaly

19.0689, 17.0888, 70.7000

Tritanomaly

14.9658, 16.7457, 45.0913

Monochromacy



Original Color

23.5025, 17.5298, 96.7526

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.1686, 13.0135, 32.8281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5025, 17.5298, 96.7526 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, 105, 255)` looks like.

```
.text, #text, p{  
    color:rgb(25, 105, 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(25, 105, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 105, 255) }
```

Border

The CSS property to change the border of an element to XYZ 23.5025, 17.5298, 96.7526 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, 105, 255) }
```


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

```
.border{ border-color:rgb(25, 105, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 105, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 105, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 105, 255);  
box-shadow:4px 4px 4px 4px rgb(25, 105,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5025, 17.5298, 96.7526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 105, 255) }
```

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

```
.background{ background-color: rgb(25, 105,  
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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