

Converting Colors

XYZ(23.5764, 17.1929, 96.6837)

Have a look what the booklet for
XYZ(23.5764, 17.1929, 96.6837)
contains.

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Color

**XYZ(23.5289, 17.0978,
96.6678)**

Conversions

Conversions Part 1

Format	Color
Hex	2466FF
RGB	36, 102, 255
RGB Percent	14%, 40%, 100%
CMY	0.8587, 0.6000, 0.0000
CMYK	0.86, 0.60, 0.00, 0.00
HSL	222°, 100%, 57%
HSV	222°, 86%, 100%
XYZ	23.5289, 17.0978, 96.6678
YIQ	99.7080, -88.4490, 33.5910

Conversions

Conversions Part 2

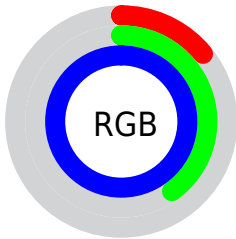
Format	Color
R _Y B	36, 87, 255
Decimal	2385663
CIE Lab	48.38, 36.43, -81.22
CIE LCh	48, 89.015, 294.162
Yxy	17.0978, 0.1714, 0.1245
Android (android.graphics.Color)	4280575743 (0xFF2466FF)
YUV	99.7080, 76.5590, -55.8719
Hunter-Lab	41.3495, 29.2094, -109.6649

Details

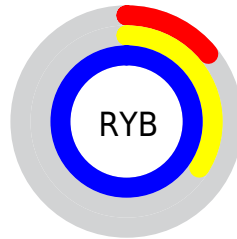
The XYZ color **23.5289, 17.0978, 96.6678** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed azure. A complement of this color would be **59.7623, 57.7945, 9.6768**, and the grayscale version is **11.8690, 12.4871, 13.5985**.

A 20% lighter version of the original color is **37.4466, 33.8874, 99.1750**, and **11.4922, 6.8596, 53.5416** is the 20% darker color. If you saturate the color by 10%, you get **21.3663, 13.6569, 96.1177**, and if you desaturate by 10%, it is **26.7015, 21.6177, 97.3731**.

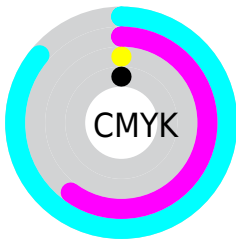
Distribution



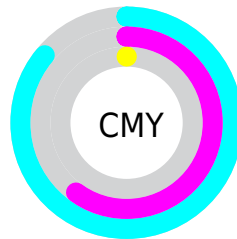
- Red (14%)
- Green (40%)
- Blue (100%)



- Red (14%)
- Yellow (34%)
- Blue (100%)



- Cyan (86%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (86%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5289, 17.0978, 96.6678 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 23.5289, 17.0978, 96.6678 by changing the saturation by 10% instead.

■ 23.5289, 17.0978,
96.6678

■ 23.5289, 17.0978,
96.6678

262.9149,
235.7353, 570.6107

■ 15.1074, 10.3042,
72.9193

■ 48.7206, 38.4939,
158.5821

■ 8.9816, 5.6011,
53.4186

■ 66.2215, 53.8651,
197.5850

■ 4.7862, 2.6041,
37.7470

■ 87.4796, 72.8645,
242.5097

■ 2.1558, 0.9287,
25.4861

■ 112.8602, 95.8762,
293.7749

■ 0.7193, 0.0000,
16.2173

142.7287,
123.2848, 351.7991

■ 0.0000, 0.0000,
9.5220

177.4504,

■ 0.0000, 0.0000,

155.4745, 417.0007

4.9818

217.3907,
192.8299, 489.7985

■ 0.0000, 0.0000,
2.1780

■ 0.0000, 0.0000,
0.6616

■ 23.5289, 17.0978,
96.6678

■ 23.5289, 17.0978,
96.6678

■ 21.3663, 13.6569,
96.1177

■ 26.7015, 21.6177,
97.3731

■ 20.6918, 12.5035,
95.9306

■ 31.0190, 27.3196,
98.2461

■ 36.5959, 34.2925,
99.2981

■ 43.5308, 42.6158,
100.5391

■ 51.9119, 52.3613,
101.9784

■ 61.8196, 63.5957,
103.6247

■ 73.3282, 76.3809,
105.4859

■ 86.5070, 90.7754,
107.5697

■ 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.



14.7115, 17.0978, 108.1640



23.5289, 17.0978, 96.6678



32.5105, 17.0978, 59.0775

Triad

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



23.5289, 17.0978, 96.6678



27.2342, 17.0978, 0.7870



5.1302, 17.0978, 14.4223

Complementary

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



23.5289, 17.0978, 96.6678



59.7623, 57.7945, 9.6768

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.



6.5844, 17.0978, 2.7792



23.5289, 17.0978, 96.6678



17.8942, 17.0978, 0.0000

Square

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



23.5289, 17.0978, 96.6678



35.1020, 17.0978, 5.6437



10.6537, 17.0978, 0.1539



5.7512, 17.0978, 43.6232

Rectangle

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



23.5289, 17.0978, 96.6678



36.4152, 17.0978, 33.7102



10.6537, 17.0978, 0.1539



5.3715, 17.0978, 8.8733

Sweetspot

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



23.5298, 17.0981, 96.6679



61.6827, 63.4421, 103.6023



45.3151, 75.4262, 58.4346



12.4315, 12.7108, 22.0482



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.



23.5298, 17.0981, 96.6679



20.6918, 12.5035, 95.9306



21.6758, 10.0269, 95.4007



17.4491, 18.2699, 22.8567



10.9255, 6.7605, 50.1637



1.1547, 0.8401, 4.9146

Inverse Universe

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



44.2699, 23.4827, 14.7695



42.5734, 21.7934, 8.9518



64.0606, 86.0727, 14.9085



18.2346, 18.0772, 19.8525



22.3029, 11.4104, 4.9794



2.2174, 1.1294, 0.7265

Previews

White Background



This preview shows how the XYZ color 23.5289, 17.0978, 96.6678 looks on a white background.

Color Contrast Check

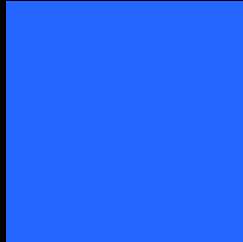
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5289, 17.0978, 96.6678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

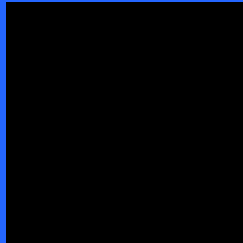
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

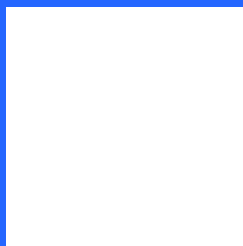
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5289, 17.0978, 96.6678

Background



This preview shows how black text looks on a background with the XYZ color 23.5289, 17.0978, 96.6678.



This preview shows how white text looks on a background with the XYZ color 23.5289, 17.0978,

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

23.5289, 17.0978, 96.6678

Protanopia

20.1414, 16.9781, 78.5595

Deuteranopia

16.6701, 16.8461, 56.4058



Tritanopia

11.7639, 16.6429, 25.1466

Trichromacy



Original Color

23.5289, 17.0978, 96.6678

Protanomaly

21.1519, 16.8922, 84.5838

Deuteranomaly

18.7463, 16.7884, 69.2703

Tritanomaly

14.5632, 16.0225, 44.4446

Monochromacy



Original Color

23.5289, 17.0978, 96.6678

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.7150, 13.2854, 33.2940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5289, 17.0978, 96.6678 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(36, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(36, 102, 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(36, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 23.5289, 17.0978, 96.6678 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(36, 102, 255) }
```


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

```
.border{ border-color:rgb(36, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(36, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5289, 17.0978, 96.6678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 102, 255) }
```

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

```
.background{ background-color: rgb(36, 102,  
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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