

Converting Colors

XYZ(10.9542, 10.1894,
130.1299)

Have a look what the booklet for
XYZ(10.9542, 10.1894, 130.1299)
contains.

XYZ(23.0003, 17.1206, 96.7001)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.0003, 17.1206,
96.7001)**

Conversions

Conversions Part 1

Format	Color
Hex	0068FF
RGB	0, 104, 255
RGB Percent	0%, 41%, 100%
CMY	0.9997, 0.5922, 0.0000
CMYK	1.00, 0.59, 0.00, 0.00
HSL	216°, 100%, 50%
HSV	216°, 100%, 100%
XYZ	23.0003, 17.1206, 96.7001
YIQ	90.1180, -110.4550, 24.9130

Conversions

Conversions Part 2

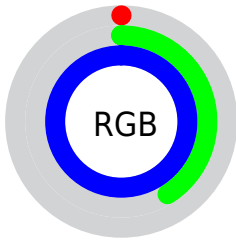
Format	Color
R _Y B	0, 74, 255
Decimal	26879
CIE Lab	48.41, 33.94, -81.19
CIE LCh	48, 87.999, 292.688
Yxy	17.1206, 0.1681, 0.1251
Android (android.graphics.Color)	4278216959 (0xFF0068FF)
YUV	90.1180, 81.2868, -79.0335
Hunter-Lab	41.3770, 26.8131, -109.5996

Details

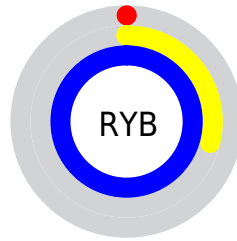
The XYZ color **23.0003, 17.1206, 96.7001** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **52.3195, 43.4183, 5.6252**, and the grayscale version is **9.5913, 10.0908, 10.9889**.

A 20% lighter version of the original color is **36.5450, 33.9086, 99.2266**, and **11.6420, 7.1591, 53.5916** is the 20% darker color. If you saturate the color by 10%, you get **22.9957, 17.1113, 96.6986**, and if you desaturate by 10%, it is **25.0744, 20.6524, 97.2725**.

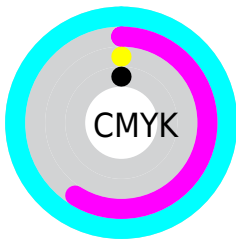
Distribution



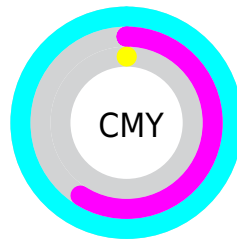
- Red (0%)
- Green (41%)
- Blue (100%)



- Red (0%)
- Yellow (29%)
- Blue (100%)



- Cyan (100%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0003, 17.1206, 96.7001 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 23.0003, 17.1206, 96.7001 by changing the saturation by 10% instead.

■ 23.0003, 17.1206,
96.7001

■ 23.0003, 17.1206,
96.7001

260.2618,
235.8664, 570.7162

■ 14.7144, 10.3205,
72.9461

■ 47.8605, 38.5330,
158.6270

■ 8.7042, 5.6120,
53.4403

■ 65.1655, 53.9141,
197.6370

■ 4.6043, 2.6106,
37.7643

■ 86.2076, 72.9244,
242.5694

■ 2.0494, 0.9320,
25.4994

■ 111.3521, 95.9481,
293.8427

■ 0.6615, 0.0000,
16.2271

■ 140.9645,
123.3698, 351.8755

■ 0.0000, 0.0000,
9.5289

175.4100,

■ 0.0000, 0.0000,

155.5739, 417.0863

4.9862

215.0540,
192.9446, 489.8937

■ 0.0000, 0.0000,
2.1806

■ 0.0000, 0.0000,
0.6631

■ 23.0003, 17.1206,
96.7001

■ 23.0003, 17.1206,
96.7001

■ 22.9957, 17.1113,
96.6986

■ 25.0744, 20.6524,
97.2725

■ 27.9730, 25.0336,
97.9654

■ 31.8735, 30.3742,
98.7906

■ 36.8884, 36.7498,
99.7569

■ 43.1134, 44.2263,
100.8719

■ 50.6328, 52.8629,
102.1427

■ 59.5229, 62.7139,
103.5755

■ 69.8536, 73.8299,
105.1767

■ 81.6899, 86.2582,
106.9517

Harmonies

Analogous

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



14.3818, 17.1206, 106.1908



23.0003, 17.1206, 96.7001



31.9423, 17.1206, 60.4695

Triad

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



23.0003, 17.1206, 96.7001



27.5690, 17.1206, 0.9423



5.2445, 17.1206, 13.5514

Complementary

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



23.0003, 17.1206, 96.7001



52.3195, 43.4183, 5.6252

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.



6.8077, 17.1206, 2.6165



23.0003, 17.1206, 96.7001



18.3223, 17.1206, 0.0000

Square

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



23.0003, 17.1206, 96.7001



35.1300, 17.1206, 6.2407



11.0043, 17.1206, 0.1593



5.7646, 17.1206, 41.4906

Rectangle

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



23.0003, 17.1206, 96.7001



35.9658, 17.1206, 35.1816



11.0043, 17.1206, 0.1593



5.5196, 17.1206, 8.3198

Sweetspot

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



23.0012, 17.1209, 96.7001



59.4942, 62.6826, 103.5710



41.1684, 73.6835, 40.3951



11.8956, 12.4956, 22.0349



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.



23.0012, 17.1209, 96.7001



22.9957, 17.1113, 96.6986



18.3669, 7.3846, 95.0651



17.6110, 18.5937, 22.9107



12.1534, 9.2165, 50.5730



1.2875, 1.1056, 4.9588

Inverse Universe

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



43.7395, 22.2611, 15.0879



43.7363, 22.2585, 15.0756



69.6122, 88.9714, 13.5064



18.3163, 18.1098, 20.2828



22.9227, 11.6584, 8.2433



2.2845, 1.1562, 1.0794

Previews

White Background



This preview shows how the XYZ color 23.0003, 17.1206, 96.7001 looks on a white background.

Color Contrast Check

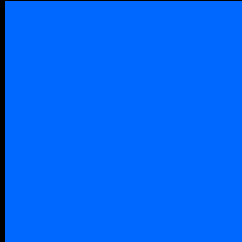
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0003, 17.1206, 96.7001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

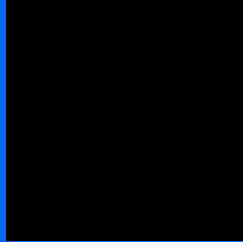
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

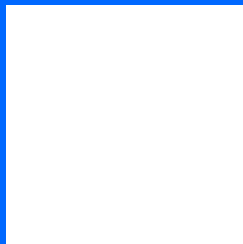
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.0003, 17.1206, 96.7001

Background



This preview shows how black text looks on a background with the XYZ color 23.0003, 17.1206, 96.7001.



This preview shows how white text looks on a background with the XYZ color 23.0003, 17.1206,

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

23.0003, 17.1206, 96.7001

Protanopia

20.2839, 17.0351, 79.3098

Deuteranopia

16.7866, 16.8927, 57.0195



Tritanopia

11.8924, 16.9000, 25.1895

Trichromacy



Original Color

23.0003, 17.1206, 96.7001

Protanomaly

21.2397, 17.0760, 85.3956

Deuteranomaly

18.7124, 16.7556, 69.9581

Tritanomaly

14.6327, 16.4080, 44.5153

Monochromacy



Original Color

23.0003, 17.1206, 96.7001

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.2846, 11.2563, 30.4321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0003, 17.1206, 96.7001 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(0, 104, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 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(0, 104, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 255) }
```

Border

The CSS property to change the border of an element to XYZ 23.0003, 17.1206, 96.7001 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(0, 104, 255) }
```


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

```
.border{ border-color:rgb(0, 104, 255) }
```

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

Here you see how a box with a 4 pixel rgb(0, 104, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0003, 17.1206, 96.7001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 255) }
```

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

```
.background{ background-color: rgb(0, 104,  
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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