

Converting Colors

XYZ(16.0919, 17.5941,
120.5769)

Have a look what the booklet for
XYZ(16.0919, 17.5941, 120.5769)
contains.

XYZ(26.0326, 23.1853, 97.7109)	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(26.0326, 23.1853,
97.7109)**

Conversions

Conversions Part 1

Format	Color
Hex	0082FF
RGB	0, 130, 255
RGB Percent	0%, 51%, 100%
CMY	0.9997, 0.4902, 0.0000
CMYK	1.00, 0.49, 0.00, 0.00
HSL	209°, 100%, 50%
HSV	209°, 100%, 100%
XYZ	26.0326, 23.1853, 97.7109
YIQ	105.3800, -117.6050, 11.3150

Conversions

Conversions Part 2

Format	Color
R _{YB}	0, 86, 255
Decimal	33535
CIE _{Lab}	55.26, 17.54, -70.04
CIE _{LCh}	55, 72.208, 284.061
Yxy	23.1853, 0.1772, 0.1578
Android (android.graphics.Color)	4278223615 (0xFF0082FF)
YUV	105.3800, 73.7627, -92.4183
Hunter-Lab	48.1511, 12.2405, -86.6088

Details

The XYZ color **26.0326, 23.1853, 97.7109** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **48.5829, 35.9452, 4.3795**, and the grayscale version is **13.3653, 14.0613, 15.3128**.

A 20% lighter version of the original color is **41.4600, 44.1206, 100.9387**, and **13.0953, 10.0658, 54.0760** is the 20% darker color. If you saturate the color by 10%, you get **26.0281, 23.1762, 97.7094**, and if you desaturate by 10%, it is **28.2133, 26.9303, 98.3188**.

Distribution



- Red (0%)
- Green (51%)
- Blue (100%)



- Red (0%)
- Yellow (34%)
- Blue (100%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.0326, 23.1853, 97.7109 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 26.0326, 23.1853, 97.7109 by changing the saturation by 10% instead.

■ 26.0326, 23.1853,
97.7109

■ 26.0326, 23.1853,
97.7109

275.1958,
268.6753, 574.0122

■ 16.9808, 14.7304,
73.7840

■ 52.7585, 48.6974,
160.0322

■ 10.3160, 8.6304,
54.1216

■ 71.1633, 66.5234,
199.2637

■ 5.6729, 4.5009,
38.3050

■ 93.4165, 88.2419,
244.4338

■ 2.6860, 1.9575,
25.9158

■ 119.8834,
114.2372, 295.9610

■ 0.9900, 0.5826,
16.5355

■ 150.9295,
144.8939, 354.2639

■ 0.0000, 0.0000,
9.7454

186.9200,

■ 0.0000, 0.0000,

180.5961, 419.7611

5.1271

228.2203,
221.7285, 492.8710

■ 0.0000, 0.0000,
2.2620

■ 0.0000, 0.0000,
0.7098

■ 26.0326, 23.1853,
97.7109

■ 26.0326, 23.1853,
97.7109

■ 26.0281, 23.1762,
97.7094

■ 28.2133, 26.9303,
98.3188

■ 31.1414, 31.3708,
99.0216

■ 34.9885, 36.6049,
99.8291

■ 39.8616, 42.6972,
100.7482

■ 45.8511, 49.7030,
101.7848

■ 53.0366, 57.6719,
102.9442

■ 61.4896, 66.6491,
104.2315

■ 71.2758, 76.6765,
105.6511

■ 82.4560, 87.7930,
107.2076

Harmonies

Analogous

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



18.0388, 23.1853, 96.7834



26.0326, 23.1853, 97.7109



34.7079, 23.1853, 72.6374

Triad

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



26.0326, 23.1853, 97.7109



35.1975, 23.1853, 5.2191



10.2166, 23.1853, 14.8888

Complementary

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



26.0326, 23.1853, 97.7109



48.5829, 35.9452, 4.3795

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.



12.8997, 23.1853, 4.8668



26.0326, 23.1853, 97.7109



26.5861, 23.1853, 2.0765

Square

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



26.0326, 23.1853, 97.7109



40.8115, 23.1853, 15.9015



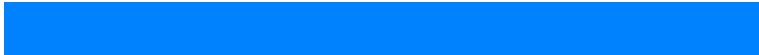
18.4726, 23.1853, 2.0059



10.1378, 23.1853, 37.6763

Rectangle

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



26.0326, 23.1853, 97.7109



39.1752, 23.1853, 50.1469



18.4726, 23.1853, 2.0059



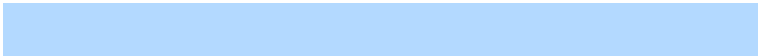
10.8075, 23.1853, 10.3521

Sweetspot

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



26.0336, 23.1859, 97.7109



61.4643, 66.6228, 104.2277



39.3540, 72.9577, 30.8411



12.3594, 13.4232, 22.1895



0.0000, 0.0000, 0.0000



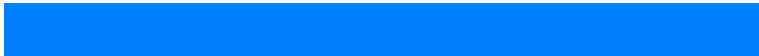
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



26.0336, 23.1859, 97.7109



26.0281, 23.1762, 97.7094



18.0978, 7.3142, 95.0657



17.7684, 18.9085, 22.9632



13.7502, 12.4099, 51.1052



1.4482, 1.4270, 5.0124

Inverse Universe

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



45.2701, 22.8733, 23.1483



45.2670, 22.8708, 23.1358



75.6599, 90.0992, 13.4052



18.3958, 18.1416, 20.7012



23.7287, 11.9808, 12.4875



2.3656, 1.1886, 1.5065

Previews

White Background



This preview shows how the XYZ color 26.0326, 23.1853, 97.7109 looks on a white background.

Color Contrast Check

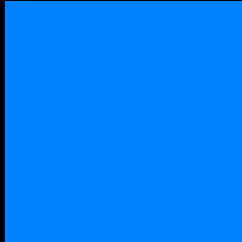
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.0326, 23.1853, 97.7109 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

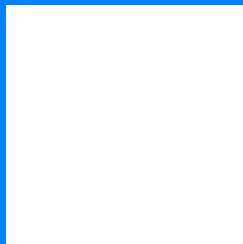
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 26.0326, 23.1853, 97.7109

Background



This preview shows how black text looks on a background with the XYZ color 26.0326, 23.1853, 97.7109.



This preview shows how white text looks on a background with the XYZ color 26.0326, 23.1853,

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

26.0326, 23.1853, 97.7109

Protanopia

27.0235, 23.1677, 95.1430

Deuteranopia

23.3764, 22.9907, 81.0475



Tritanopia

16.2796, 22.9581, 35.0258

Trichromacy



Original Color

26.0326, 23.1853, 97.7109

Protanomaly

26.2481, 22.9423, 95.9734

Deuteranomaly

24.4145, 23.1859, 87.1929

Tritanomaly

18.8925, 22.5619, 53.2283

Monochromacy



Original Color

26.0326, 23.1853, 97.7109

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.6772, 15.7660, 35.5273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.0326, 23.1853, 97.7109 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, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 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, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 255) }
```

Border

The CSS property to change the border of an element to XYZ 26.0326, 23.1853, 97.7109 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, 130, 255) }
```


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

```
.border{ border-color:rgb(0, 130, 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, 130, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 26.0326, 23.1853, 97.7109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 255) }
```

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

```
.background{ background-color: rgb(0, 130,  
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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