

Converting Colors

XYZ(20.1740, 20.2008,
123.2965)

Have a look what the booklet for
XYZ(20.1740, 20.2008, 123.2965)
contains.

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Color

**XYZ(26.4375, 23.9951,
97.8458)**

Conversions

Conversions Part 1

Format	Color
Hex	0085FF
RGB	0, 133, 255
RGB Percent	0%, 52%, 100%
CMY	0.9997, 0.4784, 0.0000
CMYK	1.00, 0.48, 0.00, 0.00
HSL	209°, 100%, 50%
HSV	209°, 100%, 100%
XYZ	26.4375, 23.9951, 97.8458
YIQ	107.1410, -118.4300, 9.7460

Conversions

Conversions Part 2

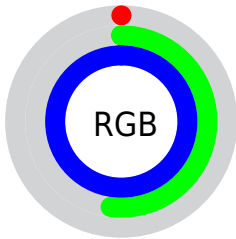
Format	Color
R _{YB}	0, 87, 255
Decimal	34303
CIE _{Lab}	56.08, 15.68, -68.72
CIE _{LCh}	56, 70.486, 282.856
Yxy	23.9951, 0.1783, 0.1618
Android (android.graphics.Color)	4278224383 (0xFF0085FF)
YUV	107.1410, 72.8945, -93.9627
Hunter-Lab	48.9848, 10.6145, -84.1408

Details

The XYZ color **26.4375, 23.9951, 97.8458** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **48.2087, 35.1967, 4.2548**, and the grayscale version is **13.8483, 14.5695, 15.8662**.

A 20% lighter version of the original color is **42.0811, 45.3627, 101.1457**, and **13.3265, 10.5282, 54.1531** is the 20% darker color. If you saturate the color by 10%, you get **26.4329, 23.9858, 97.8443**, and if you desaturate by 10%, it is **28.6218, 27.7472, 98.4550**.

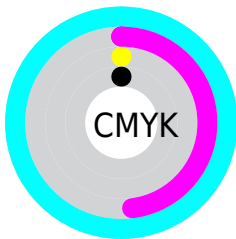
Distribution



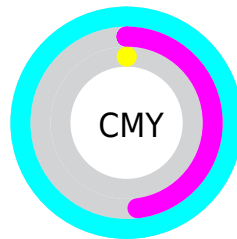
- Red (0%)
- Green (52%)
- Blue (100%)



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



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.4375, 23.9951, 97.8458 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 26.4375, 23.9951, 97.8458 by changing the saturation by 10% instead.

■ 26.4375, 23.9951,
97.8458

■ 26.4375, 23.9951,
97.8458

277.1407,
272.7957, 574.4514

■ 17.2856, 15.3300,
73.8959

■ 53.4062, 50.0222,
160.2196

■ 10.5349, 9.0513,
54.2125

■ 71.9537, 68.1530,
199.4806

■ 5.8200, 4.7747,
38.3773

■ 94.3638, 90.2078,
244.6823

■ 2.7756, 2.1157,
25.9715

■ 121.0019,
116.5710, 296.2434

■ 1.0362, 0.6734,
16.5768

■ 152.2332,
147.6270, 354.5822

■ 0.0000, 0.0000,
9.7744

188.4232,

■ 0.0000, 0.0000,

183.7602, 420.1175

5.1460

229.9373,
225.3549, 493.2677

■ 0.0000, 0.0000,
2.2730

■ 0.0000, 0.0000,
0.7160

■ 26.4375, 23.9951,
97.8458

■ 26.4375, 23.9951,
97.8458

■ 26.4329, 23.9858,
97.8443

■ 28.6218, 27.7472,
98.4550

■ 31.5449, 32.1777,
99.1561

■ 35.3780, 37.3838,
99.9589

■ 40.2275, 43.4288,
100.8701

■ 46.1835, 50.3674,
101.8955

■ 53.3249, 58.2483,
103.0403

■ 61.7231, 67.1159,
104.3092

■ 71.4433, 77.0111,
105.7069

■ 82.5459, 87.9723,
107.2375

Harmonies

Analogous

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



18.5303, 23.9951, 95.7844



26.4375, 23.9951, 97.8458



35.0767, 23.9951, 74.1397

Triad

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



26.4375, 23.9951, 97.8458



36.1823, 23.9951, 6.0550



10.9575, 23.9951, 15.0915

Complementary

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



26.4375, 23.9951, 97.8458



48.2087, 35.1967, 4.2548

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.



13.7946, 23.9951, 5.2102



26.4375, 23.9951, 97.8458



27.6948, 23.9951, 2.5108

Square

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



26.4375, 23.9951, 97.8458



41.5330, 23.9951, 17.4313



19.5244, 23.9951, 2.3345



10.7741, 23.9951, 37.3181

Rectangle

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



26.4375, 23.9951, 97.8458



39.5949, 23.9951, 52.1077



19.5244, 23.9951, 2.3345



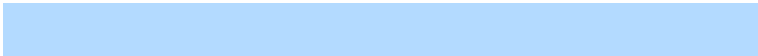
11.5951, 23.9951, 10.6408

Sweetspot

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



26.4385, 23.9957, 97.8459



61.6977, 67.0895, 104.3055



39.0930, 72.8533, 29.4665



12.4146, 13.5336, 22.2079



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.



26.4385, 23.9957, 97.8459



26.4329, 23.9858, 97.8443



18.1439, 7.4065, 95.0810



17.7867, 18.9450, 22.9692



13.9623, 12.8342, 51.1759



1.4689, 1.4685, 5.0193

Inverse Universe

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



45.4745, 22.9550, 24.2245



45.4713, 22.9525, 24.2118



74.3492, 87.4777, 12.9683



18.4050, 18.1453, 20.7498



23.8357, 12.0236, 13.0514



2.3760, 1.1928, 1.5616

Previews

White Background



This preview shows how the XYZ color 26.4375, 23.9951, 97.8458 looks on a white background.

Color Contrast Check

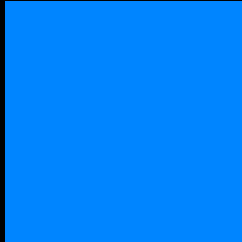
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.4375, 23.9951, 97.8458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

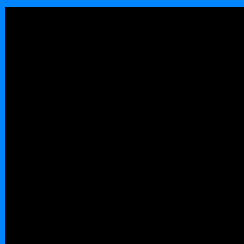
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

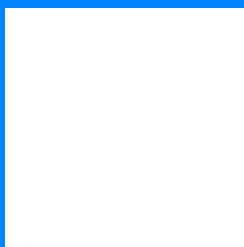
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 26.4375, 23.9951, 97.8458

Background



This preview shows how black text looks on a background with the XYZ color 26.4375, 23.9951, 97.8458.



This preview shows how white text looks on a background with the XYZ color 26.4375, 23.9951,

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

26.4375, 23.9951, 97.8458

Protanopia

27.6467, 23.8945, 94.4217

Deuteranopia

24.3841, 23.8403, 84.9778



Tritanopia

16.9190, 23.9635, 36.0814

Trichromacy



Original Color

26.4375, 23.9951, 97.8458

Protanomaly

26.5496, 23.5071, 95.2335

Deuteranomaly

25.1454, 23.9205, 89.6780

Tritanomaly

19.4481, 23.4952, 53.9621

Monochromacy



Original Color

26.4375, 23.9951, 97.8458

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.0623, 16.2929, 36.0692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.4375, 23.9951, 97.8458 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, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 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, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 255) }
```

Border

The CSS property to change the border of an element to XYZ 26.4375, 23.9951, 97.8458 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, 133, 255) }
```


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

```
.border{ border-color:rgb(0, 133, 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, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 26.4375, 23.9951, 97.8458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 255) }
```

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

```
.background{ background-color: rgb(0, 133,  
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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