

Converting Colors

XYZ(14.8583, 16.8983, 96.9280)

Have a look what the booklet for
XYZ(14.8583, 16.8983, 96.9280)
contains.

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Color

**XYZ(25.6394, 22.3987,
97.5798)**

Conversions

Conversions Part 1

Format	Color
Hex	007FFF
RGB	0, 127, 255
RGB Percent	0%, 50%, 100%
CMY	0.9997, 0.5020, 0.0000
CMYK	1.00, 0.50, 0.00, 0.00
HSL	210°, 100%, 50%
HSV	210°, 100%, 100%
XYZ	25.6394, 22.3987, 97.5798
YIQ	103.6190, -116.7800, 12.8840

Conversions

Conversions Part 2

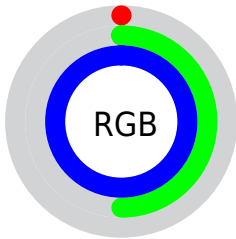
Format	Color
R _{YB}	0, 85, 255
Decimal	32767
CIE _{Lab}	54.45, 19.41, -71.36
CIE _{LCh}	54, 73.957, 285.219
Yxy	22.3987, 0.1761, 0.1538
Android (android.graphics.Color)	4278222847 (0xFF007FFF)
YUV	103.6190, 74.6308, -90.8739
Hunter-Lab	47.3273, 13.8791, -89.1156

Details

The XYZ color **25.6394, 22.3987, 97.5798** is a dark color, and the websafe version is hex **0066CC**, and the color name is **azure**. The color can be described as dark saturated azure. A complement of this color would be **48.9703, 36.7198, 4.5089**, and the grayscale version is **12.8931, 13.5645, 14.7718**.

A 20% lighter version of the original color is **40.8522, 42.9049, 100.7361**, and **12.8740, 9.6232, 54.0022** is the 20% darker color. If you saturate the color by 10%, you get **25.6341, 22.3882, 97.5780**, and if you desaturate by 10%, it is **27.8148, 26.1331, 98.1859**.

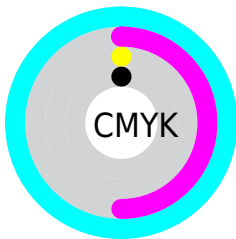
Distribution



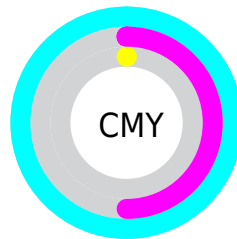
- Red (0%)
- Green (50%)
- Blue (100%)



- Red (0%)
- Yellow (33%)
- Blue (100%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.6394, 22.3987, 97.5798 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 25.6394, 22.3987, 97.5798 by changing the saturation by 10% instead.

■ 25.6394, 22.3987,
97.5798

■ 25.6394, 22.3987,
97.5798

273.2967,
264.6214, 573.5853

■ 16.6853, 14.1502,
73.6753

■ 52.1281, 47.4041,
159.8500

■ 10.1043, 8.2252,
54.0331

■ 70.3934, 64.9297,
199.0528

■ 5.5310, 4.2394,
38.2348

■ 92.4932, 86.3165,
244.1921

■ 2.6000, 1.8083,
25.8617

■ 118.7929,
111.9488, 295.6865

■ 0.9459, 0.4924,
16.4954

■ 149.6577,
142.2110, 353.9545

■ 0.0000, 0.0000,
9.7172

185.4530,

■ 0.0000, 0.0000,

177.4876, 419.4146

5.1087

226.5442,
218.1629, 492.4853

■ 0.0000, 0.0000,
2.2514

■ 0.0000, 0.0000,
0.7038

■ 25.6394, 22.3987,
97.5798

■ 25.6394, 22.3987,
97.5798

■ 25.6341, 22.3882,
97.5780

■ 27.8148, 26.1331,
98.1859

■ 30.7465, 30.5803,
98.8898

■ 34.6065, 35.8396,
99.7015

■ 39.5022, 41.9765,
100.6280

■ 45.5245, 49.0473,
101.6754

■ 52.7534, 57.1026,
102.8492

■ 61.2610, 66.1883,
104.1546

■ 71.1133, 76.3472,
105.5962

■ 82.3716, 87.6191,
107.1785

Harmonies

Analogous

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



17.5621, 22.3987, 97.8020



25.6394, 22.3987, 97.5798



34.3495, 22.3987, 71.1533

Triad

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



25.6394, 22.3987, 97.5798



34.2340, 22.3987, 4.4645



9.5125, 22.3987, 14.6967

Complementary

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



25.6394, 22.3987, 97.5798



48.9703, 36.7198, 4.5089

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.



12.0467, 22.3987, 4.5426



25.6394, 22.3987, 97.5798



25.5097, 22.3987, 1.6963

Square

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



25.6394, 22.3987, 97.5798



40.1033, 22.3987, 14.4633



17.4613, 22.3987, 1.7113



9.5305, 22.3987, 38.0520

Rectangle

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



25.6394, 22.3987, 97.5798



38.7657, 22.3987, 48.2329



17.4613, 22.3987, 1.7113



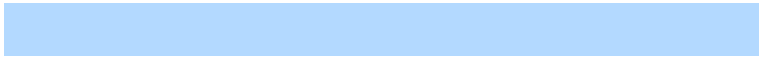
10.0590, 22.3987, 10.0755

Sweetspot

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



25.6404, 22.3992, 97.5798



61.2318, 66.1577, 104.1502



39.6271, 73.0670, 32.2787



12.3044, 13.3133, 22.1712



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.



25.6404, 22.3992, 97.5798



25.6341, 22.3882, 97.5780



18.0519, 7.2223, 95.0503



17.7501, 18.8719, 22.9570



13.5435, 11.9966, 51.0363



1.4278, 1.3864, 5.0056

Inverse Universe

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



45.0716, 22.7941, 22.1028



45.0681, 22.7912, 22.0885



77.0004, 92.7802, 13.8523



18.3865, 18.1379, 20.6526



23.6243, 11.9390, 11.9381



2.3553, 1.1845, 1.4525

Previews

White Background



This preview shows how the XYZ color 25.6394, 22.3987, 97.5798 looks on a white background.

Color Contrast Check

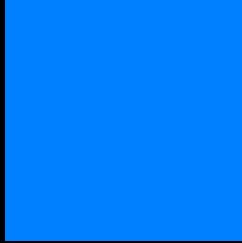
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6394, 22.3987, 97.5798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

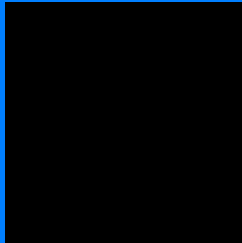
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

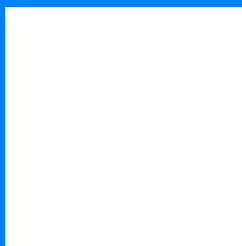
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.6394, 22.3987, 97.5798

Background



This preview shows how black text looks on a background with the XYZ color 25.6394, 22.3987, 97.5798.



This preview shows how white text looks on a background with the XYZ color 25.6394, 22.3987,

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

25.6394, 22.3987, 97.5798

Protanopia

26.4285, 22.4629, 95.8713

Deuteranopia

22.5342, 22.2157, 77.9633



Tritanopia

15.7230, 22.2464, 33.6023

Trichromacy



Original Color

25.6394, 22.3987, 97.5798

Protanomaly

25.9459, 22.3845, 96.7191

Deuteranomaly

23.5626, 22.1973, 84.7040

Tritanomaly

18.3827, 21.8947, 51.9724

Monochromacy



Original Color

25.6394, 22.3987, 97.5798

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.2989, 15.2498, 34.9908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6394, 22.3987, 97.5798 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, 127, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 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, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 255) }
```

Border

The CSS property to change the border of an element to XYZ 25.6394, 22.3987, 97.5798 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, 127, 255) }
```


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

```
.border{ border-color:rgb(0, 127, 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, 127, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 25.6394, 22.3987, 97.5798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 255) }
```

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

```
.background{ background-color: rgb(0, 127,  
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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