

Converting Colors

XYZ(25.0198, 19.7348, 97.0983)

Have a look what the booklet for
XYZ(25.0198, 19.7348, 97.0983)
contains.

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Color

**XYZ(25.0222, 19.7469,
97.1005)**

Conversions

Conversions Part 1

Format	Color
Hex	2A72FF
RGB	42, 114, 255
RGB Percent	16%, 45%, 100%
CMY	0.8352, 0.5529, 0.0000
CMYK	0.84, 0.55, 0.00, 0.00
HSL	220°, 100%, 58%
HSV	220°, 84%, 100%
XYZ	25.0222, 19.7469, 97.1005
YIQ	108.5460, -88.1730, 28.5870

Conversions

Conversions Part 2

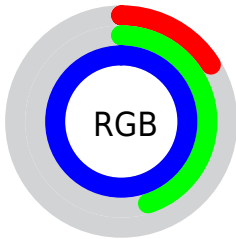
Format	Color
R _Y B	42, 96, 255
Decimal	2781951
CIE Lab	51.55, 29.29, -76.04
CIE LCh	52, 81.490, 291.066
Yxy	19.7469, 0.1764, 0.1392
Android (android.graphics.Color)	4280972031 (0xFF2A72FF)
YUV	108.5460, 72.2018, -58.3608
Hunter-Lab	44.4375, 22.7456, -98.4485

Details

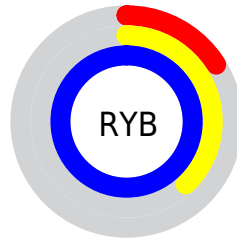
The XYZ color **25.0222, 19.7469, 97.1005** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **58.5968, 55.3042, 9.7791**, and the grayscale version is **14.2304, 14.9715, 16.3040**.

A 20% lighter version of the original color is **39.8173, 38.4154, 99.9240**, and **12.0852, 8.0455, 53.7393** is the 20% darker color. If you saturate the color by 10%, you get **22.5583, 15.9060, 96.4889**, and if you desaturate by 10%, it is **28.5013, 24.6328, 97.8602**.

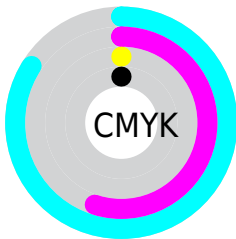
Distribution



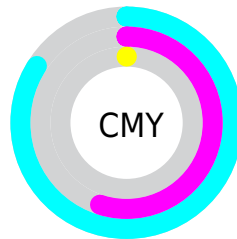
- Red (16%)
- Green (45%)
- Blue (100%)



- Red (16%)
- Yellow (38%)
- Blue (100%)



- Cyan (84%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)



- Cyan (84%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0222, 19.7469, 97.1005 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 25.0222, 19.7469, 97.1005 by changing the saturation by 10% instead.

■ 25.0222, 19.7469,
97.1005

■ 25.0222, 19.7469,
97.1005

270.2941,
250.5416, 572.0231

■ 16.2224, 12.2112,
73.2779

■ 51.1359, 42.9924,
159.1838

■ 9.7735, 6.8877,
53.7101

■ 69.1805, 59.4711,
198.2816

■ 5.3102, 3.3920,
37.9783

■ 91.0374, 79.6994,
243.3083

■ 2.4670, 1.3396,
25.6642

■ 117.0720,
104.0620, 294.6823

■ 0.8786, 0.1716,
16.3490

147.6496,
132.9431, 352.8223

■ 0.0000, 0.0000,
9.6145

183.1355,

■ 0.0000, 0.0000,

166.7271, 418.1467

5.0418

223.8953,
205.7985, 491.0741

■ 0.0000, 0.0000,
2.2127

■ 0.0000, 0.0000,
0.6817

■ 25.0222, 19.7469,
97.1005

■ 25.0222, 19.7469,
97.1005

■ 22.5583, 15.9060,
96.4889

■ 28.5013, 24.6328,
97.8602

■ 21.3920, 13.9041,
96.1640

■ 33.1196, 30.6543,
98.7790

■ 38.9840, 37.8912,
99.8668

■ 46.1873, 46.4146,
101.1323

■ 54.8129, 56.2893,
102.5837

■ 64.9369, 67.5755,
104.2286

■ 76.6299, 80.3294,
106.0740

■ 89.9578, 94.6039,
108.1268

■ 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.



16.4264, 19.7469, 104.0030



25.0222, 19.7469, 97.1005



33.8896, 19.7469, 64.1620

Triad

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



25.0222, 19.7469, 97.1005



30.5160, 19.7469, 2.0351



7.1086, 19.7469, 15.2261

Complementary

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



25.0222, 19.7469, 97.1005



58.5968, 55.3042, 9.7791

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.



8.9855, 19.7469, 3.7819



25.0222, 19.7469, 97.1005



21.3240, 19.7469, 0.5857

Square

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



25.0222, 19.7469, 97.1005



37.6496, 19.7469, 9.0165



13.6551, 19.7469, 0.8974



7.5695, 19.7469, 42.1455

Rectangle

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



25.0222, 19.7469, 97.1005



37.9694, 19.7469, 39.7219



13.6551, 19.7469, 0.8974



7.4606, 19.7469, 9.9298

Sweetspot

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



25.0231, 19.7473, 97.1005



63.3414, 65.8140, 103.9727



45.0008, 75.3267, 55.5930



12.7761, 13.2191, 22.1281



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.



25.0231, 19.7473, 97.1005



21.3920, 13.9041, 96.1640



21.7006, 10.3323, 95.4583



17.5047, 18.3810, 22.8752



11.3008, 7.5113, 50.2888



1.1966, 0.9239, 4.9285

Inverse Universe

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



45.1061, 24.1325, 18.2002



42.9269, 21.9348, 10.8131



66.6263, 87.3838, 15.5479



18.2626, 18.0884, 20.0002



22.4923, 11.4862, 5.9771



2.2386, 1.1378, 0.8379

Previews

White Background



This preview shows how the XYZ color 25.0222, 19.7469, 97.1005 looks on a white background.

Color Contrast Check

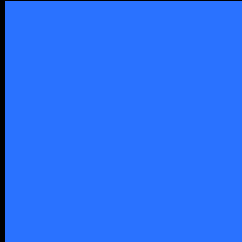
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0222, 19.7469, 97.1005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

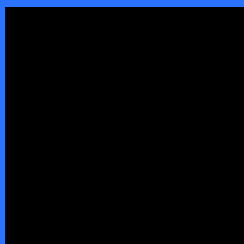
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

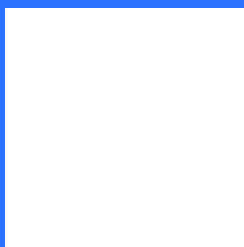
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.0222, 19.7469, 97.1005

Background



This preview shows how black text looks on a background with the XYZ color 25.0222, 19.7469, 97.1005.



This preview shows how white text looks on a background with the XYZ color 25.0222, 19.7469,

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

25.0222, 19.7469, 97.1005

Protanopia

23.4602, 19.5621, 92.1619

Deuteranopia

19.5994, 19.5735, 67.0351



Tritanopia

13.6980, 19.3416, 29.3969

Trichromacy



Original Color

25.0222, 19.7469, 97.1005

Protanomaly

23.8550, 19.5574, 93.7844

Deuteranomaly

21.3173, 19.4895, 77.5012

Tritanomaly

16.4381, 18.7410, 48.0984

Monochromacy



Original Color

25.0222, 19.7469, 97.1005

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.9523, 15.9088, 36.4123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0222, 19.7469, 97.1005 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(42, 114, 255)` looks like.

```
.text, #text, p{  
    color:rgb(42, 114, 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(42, 114, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 114, 255) }
```

Border

The CSS property to change the border of an element to XYZ 25.0222, 19.7469, 97.1005 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(42, 114, 255) }
```


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

```
.border{ border-color:rgb(42, 114, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 114, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 114, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 114, 255);  
box-shadow:4px 4px 4px 4px rgb(42, 114,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0222, 19.7469, 97.1005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 114, 255) }
```

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

```
.background{ background-color: rgb(42, 114,  
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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