

Converting Colors

XYZ(10.1981, 13.7045,
112.1920)

Have a look what the booklet for
XYZ(10.1981, 13.7045, 112.1920)
contains.

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Color

**XYZ(25.3836, 21.8872,
97.4945)**

Conversions

Conversions Part 1

Format	Color
Hex	007DFF
RGB	0, 125, 255
RGB Percent	0%, 49%, 100%
CMY	0.9997, 0.5098, 0.0000
CMYK	1.00, 0.51, 0.00, 0.00
HSL	211°, 100%, 50%
HSV	211°, 100%, 100%
XYZ	25.3836, 21.8872, 97.4945
YIQ	102.4450, -116.2300, 13.9300

Conversions

Conversions Part 2

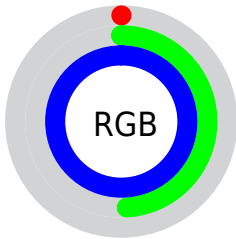
Format	Color
R _Y B	0, 84, 255
Decimal	32255
CIE _{Lab}	53.91, 20.67, -72.24
CIE _{LCh}	54, 75.137, 285.964
Y _{xy}	21.8872, 0.1753, 0.1512
Android (android.graphics.Color)	4278222335 (0xFF007DFF)
Y _{UV}	102.4450, 75.2096, -89.8443
Hunter-Lab	46.7838, 14.9777, -90.8081

Details

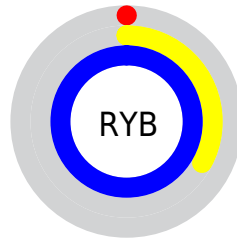
The XYZ color **25.3836, 21.8872, 97.4945** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **49.2333, 37.2459, 4.5965**, and the grayscale version is **12.5830, 13.2382, 14.4165**.

A 20% lighter version of the original color is **40.5822, 42.1750, 100.6094**, and **12.8024, 9.4800, 53.9784** is the 20% darker color. If you saturate the color by 10%, you get **25.3787, 21.8773, 97.4929**, and if you desaturate by 10%, it is **27.5543, 25.6122, 98.0991**.

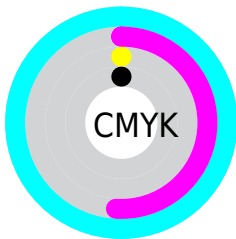
Distribution



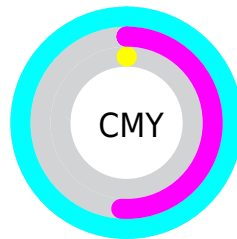
- Red (0%)
- Green (49%)
- Blue (100%)



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



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3836, 21.8872, 97.4945 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 25.3836, 21.8872, 97.4945 by changing the saturation by 10% instead.

■ 25.3836, 21.8872,
97.4945

■ 25.3836, 21.8872,
97.4945

272.0555,
261.9566, 573.3075

■ 16.4933, 13.7740,
73.6046

■ 51.7173, 46.5595,
159.7315

■ 9.9670, 7.9637,
53.9756

■ 69.8914, 63.8874,
198.9156

■ 5.4392, 4.0717,
38.1891

■ 91.8908, 85.0557,
244.0349

■ 2.5445, 1.7138,
25.8265

■ 118.0810,
110.4488, 295.5079

■ 0.9178, 0.4325,
16.4693

■ 148.8272,
140.4510, 353.7531

■ 0.0000, 0.0000,
9.6989

184.4947,

■ 0.0000, 0.0000,

175.4468, 419.1891

5.0968

225.4490,
215.8205, 492.2343

■ 0.0000, 0.0000,
2.2444

■ 0.0000, 0.0000,
0.6998

■ 25.3836, 21.8872,
97.4945

■ 25.3836, 21.8872,
97.4945

■ 25.3787, 21.8773,
97.4929

■ 27.5543, 25.6122,
98.0991

■ 30.4870, 30.0615,
98.8034

■ 34.3541, 35.3354,
99.6175

■ 39.2634, 41.4997,
100.5486

■ 45.3063, 48.6118,
101.6029

■ 52.5629, 56.7228,
102.7860

■ 61.1056, 65.8791,
104.1031

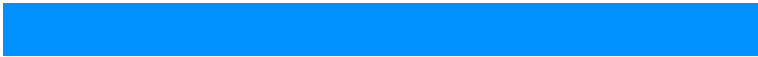
■ 71.0009, 76.1242,
105.5590

■ 82.3101, 87.4983,
107.1584

Harmonies

Analogous

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



17.2525, 21.8872, 98.4911



25.3836, 21.8872, 97.4945



34.1163, 21.8872, 70.1750

Triad

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



25.3836, 21.8872, 97.4945



33.6038, 21.8872, 4.0049



9.0633, 21.8872, 14.5742

Complementary

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



25.3836, 21.8872, 97.4945



49.2333, 37.2459, 4.5965

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.



11.5011, 21.8872, 4.3367



25.3836, 21.8872, 97.4945



24.8102, 21.8872, 1.4712

Square

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



25.3836, 21.8872, 97.4945



39.6388, 21.8872, 13.5549



16.8098, 21.8872, 1.5327



9.1415, 21.8872, 38.3115

Rectangle

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



25.3836, 21.8872, 97.4945



38.4984, 21.8872, 46.9840



16.8098, 21.8872, 1.5327



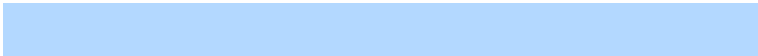
9.5814, 21.8872, 9.8974

Sweetspot

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



25.3846, 21.8877, 97.4946



61.0779, 65.8499, 104.0989



39.6269, 73.0669, 32.2779



12.2681, 13.2407, 22.1591



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.



25.3846, 21.8877, 97.4946



25.3787, 21.8773, 97.4929



18.0518, 7.2222, 95.0503



17.7380, 18.8476, 22.9530



13.4094, 11.7284, 50.9916



1.4146, 1.3599, 5.0012

Inverse Universe

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



44.9425, 22.7423, 21.4230



44.9392, 22.7397, 21.4095



77.0004, 92.7802, 13.8522



18.3804, 18.1355, 20.6203



23.5566, 11.9120, 11.5817



2.3486, 1.1818, 1.4173

Previews

White Background



This preview shows how the XYZ color 25.3836, 21.8872, 97.4945 looks on a white background.

Color Contrast Check

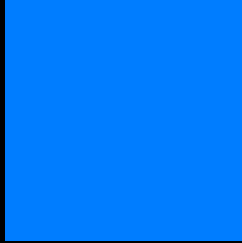
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.3836, 21.8872, 97.4945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

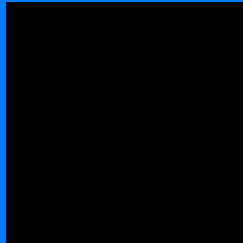
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

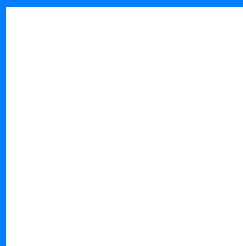
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.3836, 21.8872, 97.4945

Background



This preview shows how black text looks on a background with the XYZ color 25.3836, 21.8872, 97.4945.



This preview shows how white text looks on a background with the XYZ color 25.3836, 21.8872,

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

25.3836, 21.8872, 97.4945

Protanopia

25.9760, 22.0426, 95.8141

Deuteranopia

21.9814, 21.7787, 75.7182



Tritanopia

15.2589, 21.5804, 32.6394

Trichromacy



Original Color

25.3836, 21.8872, 97.4945

Protanomaly

25.5759, 21.8179, 96.6292

Deuteranomaly

23.1363, 21.8149, 83.1121

Tritanomaly

17.9895, 21.2824, 51.3039

Monochromacy



Original Color

25.3836, 21.8872, 97.4945

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.9275, 14.7443, 34.4596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3836, 21.8872, 97.4945 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, 125, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 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, 125, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 255) }
```

Border

The CSS property to change the border of an element to XYZ 25.3836, 21.8872, 97.4945 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, 125, 255) }
```


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

```
.border{ border-color:rgb(0, 125, 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, 125, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3836, 21.8872, 97.4945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 255) }
```

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

```
.background{ background-color: rgb(0, 125,  
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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