

Converting Colors

XYZ(25.0257, 20.6486, 97.2743)

Have a look what the booklet for
XYZ(25.0257, 20.6486, 97.2743)
contains.

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Color

**XYZ(25.0002, 20.5958,
97.2655)**

Conversions

Conversions Part 1

Format	Color
Hex	1777FF
RGB	23, 119, 255
RGB Percent	9%, 47%, 100%
CMY	0.9096, 0.5333, 0.0000
CMYK	0.91, 0.53, 0.00, 0.00
HSL	215°, 100%, 55%
HSV	215°, 91%, 100%
XYZ	25.0002, 20.5958, 97.2655
YIQ	105.8000, -100.8720, 21.9440

Conversions

Conversions Part 2

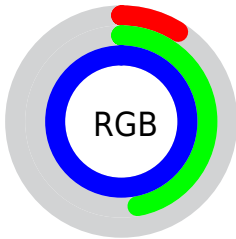
Format	Color
R _Y B	23, 91, 255
Decimal	1538047
CIE Lab	52.50, 25.08, -74.51
CIE LCh	53, 78.616, 288.606
Yxy	20.5958, 0.1750, 0.1442
Android (android.graphics.Color)	4279728127 (0xFF1777FF)
YUV	105.8000, 73.5556, -72.6156
Hunter-Lab	45.3826, 18.9119, -95.3045

Details

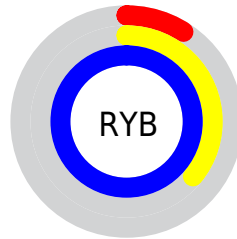
The XYZ color **25.0002, 20.5958, 97.2655** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **53.8007, 46.1332, 6.8819**, and the grayscale version is **13.4739, 14.1756, 15.4372**.

A 20% lighter version of the original color is **39.7608, 39.7514, 100.1849**, and **12.3954, 8.6659, 53.8427** is the 20% darker color. If you saturate the color by 10%, you get **23.1516, 17.4231, 96.7505**, and if you desaturate by 10%, it is **27.8130, 24.8983, 97.9477**.

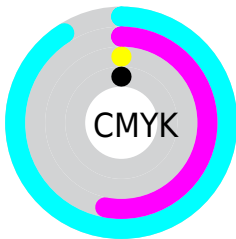
Distribution



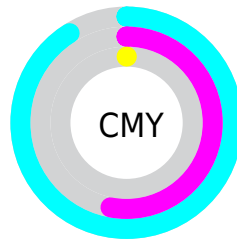
- Red (9%)
- Green (47%)
- Blue (100%)



- Red (9%)
- Yellow (36%)
- Blue (100%)



- Cyan (91%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)



- Cyan (91%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0002, 20.5958, 97.2655 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 25.0002, 20.5958, 97.2655 by changing the saturation by 10% instead.

■ 25.0002, 20.5958,
97.2655

■ 25.0002, 20.5958,
97.2655

270.1866,
255.1225, 572.5611

■ 16.2059, 12.8289,
73.4147

■ 51.1004, 44.4139,
159.4132

■ 9.7618, 7.3108,
53.8213

■ 69.1371, 61.2338,
198.5472

■ 5.3023, 3.6572,
38.0666

■ 90.9853, 81.8401,
243.6126

■ 2.4623, 1.4837,
25.7321

■ 117.0104,
106.6173, 295.0281

■ 0.8763, 0.2772,
16.3994

■ 147.5777,
135.9498, 353.2122

■ 0.0000, 0.0000,
9.6498

183.0526,

■ 0.0000, 0.0000,

170.2219, 418.5834

5.0648

223.8004,
209.8180, 491.5602

■ 0.0000, 0.0000,
2.2259

■ 0.0000, 0.0000,
0.6893

■ 25.0002, 20.5958,
97.2655

■ 25.0002, 20.5958,
97.2655

■ 23.1516, 17.4231,
96.7505

■ 27.8130, 24.8983,
97.9477

■ 31.6093, 30.1414,
98.7596

■ 36.5043, 36.4017,
99.7100

■ 42.5946, 43.7449,
100.8064

■ 49.9652, 52.2303,
102.0558

■ 58.6927, 61.9120,
103.4645

■ 68.8473, 72.8402,
105.0387

■ 80.4941, 85.0618,
106.7838

■ 93.6940, 98.6213,
108.7054

Harmonies

Analogous

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



16.6464, 20.5958, 101.1947



25.0002, 20.5958, 97.2655



33.8041, 20.5958, 66.9789

Triad

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



25.0002, 20.5958, 97.2655



31.8415, 20.5958, 2.8145



7.9005, 20.5958, 14.6912

Complementary

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



25.0002, 20.5958, 97.2655



53.8007, 46.1332, 6.8819

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.



10.0329, 20.5958, 3.9356



25.0002, 20.5958, 97.2655



22.8299, 20.5958, 0.9409

Square

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



25.0002, 20.5958, 97.2655



38.4479, 20.5958, 10.9574



14.9987, 20.5958, 1.1284



8.1818, 20.5958, 39.9617

Rectangle

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



25.0002, 20.5958, 97.2655



38.0413, 20.5958, 43.0470



14.9987, 20.5958, 1.1284



8.3281, 20.5958, 9.7358

Sweetspot

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



25.0011, 20.5963, 97.2655



62.5430, 66.0916, 104.0683



42.3162, 74.1834, 44.5950



12.6739, 13.3731, 22.1632



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.



25.0011, 20.5963, 97.2655



23.1516, 17.4231, 96.7505



19.3274, 8.3346, 95.1978



17.6203, 18.6121, 22.9138



12.2359, 9.3815, 50.6005



1.2960, 1.1227, 4.9617

Inverse Universe

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



44.8770, 23.2064, 19.5667



43.8150, 22.2900, 15.4899



70.3978, 89.3585, 14.3504



18.3210, 18.1117, 20.3074



22.9643, 11.6750, 8.4626



2.2888, 1.1579, 1.1021

Previews

White Background



This preview shows how the XYZ color 25.0002, 20.5958, 97.2655 looks on a white background.

Color Contrast Check

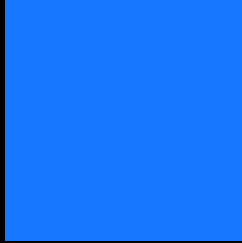
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0002, 20.5958, 97.2655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

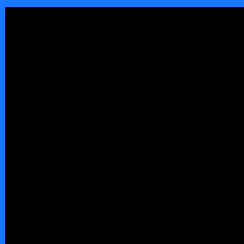
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

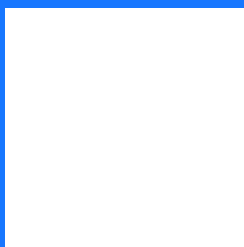
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.0002, 20.5958, 97.2655

Background



This preview shows how black text looks on a background with the XYZ color 25.0002, 20.5958, 97.2655.



This preview shows how white text looks on a background with the XYZ color 25.0002, 20.5958,

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

25.0002, 20.5958, 97.2655

Protanopia

24.7665, 20.6529, 97.2888

Deuteranopia

20.5076, 20.3461, 70.5565



Tritanopia

14.3549, 20.2835, 30.7623

Trichromacy



Original Color

25.0002, 20.5958, 97.2655

Protanomaly

24.8666, 20.7046, 97.2935

Deuteranomaly

22.0158, 20.3501, 79.8584

Tritanomaly

17.0794, 19.8294, 49.3817

Monochromacy



Original Color

25.0002, 20.5958, 97.2655

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.0101, 15.4434, 35.4475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0002, 20.5958, 97.2655 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(23, 119, 255)` looks like.

```
.text, #text, p{  
    color:rgb(23, 119, 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(23, 119, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 119, 255) }
```

Border

The CSS property to change the border of an element to XYZ 25.0002, 20.5958, 97.2655 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(23, 119, 255) }
```


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

```
.border{ border-color:rgb(23, 119, 255) }
```

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

Here you see how a box with a 4 pixel rgb(23, 119, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 119, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 119, 255);  
box-shadow:4px 4px 4px 4px rgb(23, 119,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0002, 20.5958, 97.2655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 119, 255) }
```

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

```
.background{ background-color: rgb(23, 119,  
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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