

Converting Colors

XYZ(25.0251, 20.1059, 97.1687)

Have a look what the booklet for
XYZ(25.0251, 20.1059, 97.1687)
contains.

XYZ(25.0229, 20.0859, 97.1658)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.0229, 20.0859,
97.1658)**

Conversions

Conversions Part 1

Format	Color
Hex	2474FF
RGB	36, 116, 255
RGB Percent	14%, 45%, 100%
CMY	0.8587, 0.5451, 0.0000
CMYK	0.86, 0.55, 0.00, 0.00
HSL	218°, 100%, 57%
HSV	218°, 86%, 100%
XYZ	25.0229, 20.0859, 97.1658
YIQ	107.9260, -92.2990, 26.2690

Conversions

Conversions Part 2

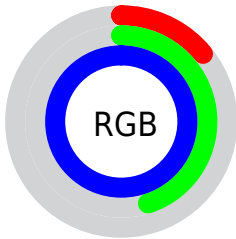
Format	Color
R _Y B	36, 95, 255
Decimal	2389247
CIE Lab	51.93, 27.64, -75.42
CIE LCh	52, 80.328, 290.124
Yxy	20.0859, 0.1759, 0.1412
Android (android.graphics.Color)	4280579327 (0xFF2474FF)
YUV	107.9260, 72.5075, -63.0791
Hunter-Lab	44.8173, 21.2319, -97.1711

Details

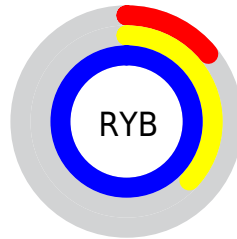
The XYZ color **25.0229, 20.0859, 97.1658** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **56.8936, 52.0570, 8.7204**, and the grayscale version is **14.0576, 14.7896, 16.1059**.

A 20% lighter version of the original color is **39.8948, 38.9950, 100.0319**, and **12.2062, 8.2875, 53.7796** is the 20% darker color. If you saturate the color by 10%, you get **22.7211, 16.3666, 96.5693**, and if you desaturate by 10%, it is **28.2836, 24.7821, 97.9005**.

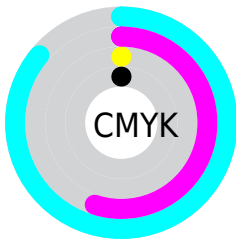
Distribution



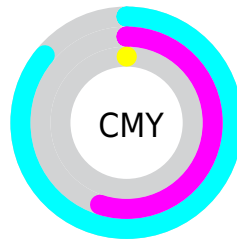
- Red (14%)
- Green (45%)
- Blue (100%)



- Red (14%)
- Yellow (37%)
- Blue (100%)



- Cyan (86%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)



- Cyan (86%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0229, 20.0859, 97.1658 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 25.0229, 20.0859, 97.1658 by changing the saturation by 10% instead.

■ 25.0229, 20.0859,
97.1658

■ 25.0229, 20.0859,
97.1658

270.2975,
252.3798, 572.2361

■ 16.2229, 12.4575,
73.3321

■ 51.1370, 43.5612,
159.2746

■ 9.7739, 7.0561,
53.7541

■ 69.1818, 60.1768,
198.3867

■ 5.3104, 3.4972,
38.0132

■ 91.0390, 80.5570,
243.4288

■ 2.4671, 1.3965,
25.6910

■ 117.0739,
105.0861, 294.8192

■ 0.8787, 0.2141,
16.3690

■ 147.6518,
134.1485, 352.9766

■ 0.0000, 0.0000,
9.6284

183.1382,

■ 0.0000, 0.0000,

168.1287, 418.3195

5.0509

223.8983,
207.4110, 491.2665

■ 0.0000, 0.0000,
2.2179

■ 0.0000, 0.0000,
0.6847

■ 25.0229, 20.0859,
97.1658

■ 25.0229, 20.0859,
97.1658

■ 22.7211, 16.3666,
96.5693

■ 28.2836, 24.7821,
97.9005

■ 21.9760, 15.0720,
96.3587

■ 32.6314, 30.5447,
98.7836

■ 38.1751, 37.4512,
99.8245

■ 45.0079, 45.5704,
101.0315

■ 53.2132, 54.9646,
102.4123

■ 62.8670, 65.6912,
103.9740

■ 74.0394, 77.8041,
105.7231

■ 86.7957, 91.3538,
107.6662

■ 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.



16.5211, 20.0859, 102.8970



25.0229, 20.0859, 97.1658



33.8652, 20.0859, 65.2623

Triad

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



25.0229, 20.0859, 97.1658



31.0396, 20.0859, 2.3244



7.4188, 20.0859, 15.0247

Complementary

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



25.0229, 20.0859, 97.1658



56.8936, 52.0570, 8.7204

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.



9.3938, 20.0859, 3.8470



25.0229, 20.0859, 97.1658



21.9146, 20.0859, 0.7274

Square

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



25.0229, 20.0859, 97.1658



37.9695, 20.0859, 9.7545



14.1796, 20.0859, 0.9872



7.8124, 20.0859, 41.2916

Rectangle

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



25.0229, 20.0859, 97.1658



38.0063, 20.0859, 41.0125



14.1796, 20.0859, 0.9872



7.7995, 20.0859, 9.8618

Sweetspot

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



25.0238, 20.0864, 97.1659



62.7347, 65.5460, 103.9529



44.1977, 74.9792, 52.5508



12.6774, 13.2025, 22.1301



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.



25.0238, 20.0864, 97.1659



21.9760, 15.0720, 96.3587



20.8763, 9.6146, 95.3633



17.5462, 18.4639, 22.8891



11.6123, 8.1341, 50.3926



1.2304, 0.9914, 4.9398

Inverse Universe

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



45.0240, 23.7842, 18.7409



43.2217, 22.0527, 12.3653



67.3812, 87.7845, 15.0638



18.2836, 18.0967, 20.1104



22.6495, 11.5491, 6.8049



2.2556, 1.1446, 0.9276

Previews

White Background



This preview shows how the XYZ color 25.0229, 20.0859, 97.1658 looks on a white background.

Color Contrast Check

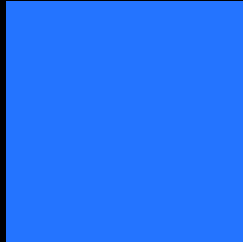
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0229, 20.0859, 97.1658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

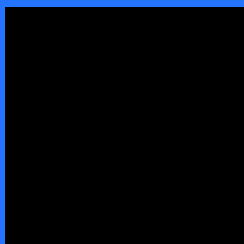
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

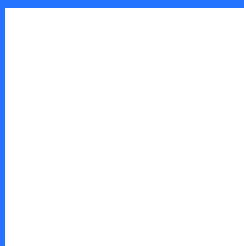
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.0229, 20.0859, 97.1658

Background



This preview shows how black text looks on a background with the XYZ color 25.0229, 20.0859, 97.1658.



This preview shows how white text looks on a background with the XYZ color 25.0229, 20.0859,

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

25.0229, 20.0859, 97.1658

Protanopia

23.8910, 19.9219, 93.8529

Deuteranopia

19.9852, 19.9315, 68.4395



Tritanopia

13.9150, 19.6527, 29.8480

Trichromacy



Original Color

25.0229, 20.0859, 97.1658

Protanomaly

24.0980, 19.8364, 94.6542

Deuteranomaly

21.5493, 19.7742, 78.2823

Tritanomaly

16.7732, 19.2889, 48.7380

Monochromacy



Original Color

25.0229, 20.0859, 97.1658

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.5971, 15.7359, 35.9335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0229, 20.0859, 97.1658 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(36, 116, 255)` looks like.

```
.text, #text, p{  
    color:rgb(36, 116, 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(36, 116, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 116, 255) }
```

Border

The CSS property to change the border of an element to XYZ 25.0229, 20.0859, 97.1658 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(36, 116, 255) }
```


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

```
.border{ border-color:rgb(36, 116, 255) }
```

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

Here you see how a box with a 4 pixel rgb(36, 116, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 116, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 116, 255);  
box-shadow:4px 4px 4px 4px rgb(36, 116,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0229, 20.0859, 97.1658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 116, 255) }
```

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

```
.background{ background-color: rgb(36, 116,  
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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