

Converting Colors

XYZ(25.8549, 20.2820, 97.1599)

Have a look what the booklet for
XYZ(25.8549, 20.2820, 97.1599)
contains.

XYZ(25.9257, 20.3810, 97.1752)	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(25.9257, 20.3810,
97.1752)**

Conversions

Conversions Part 1

Format	Color
Hex	3A73FF
RGB	58, 115, 255
RGB Percent	23%, 45%, 100%
CMY	0.7725, 0.5490, 0.0000
CMYK	0.77, 0.55, 0.00, 0.00
HSL	223°, 100%, 61%
HSV	223°, 77%, 100%
XYZ	25.9257, 20.3810, 97.1752
YIQ	113.9170, -78.9120, 31.4560

Conversions

Conversions Part 2

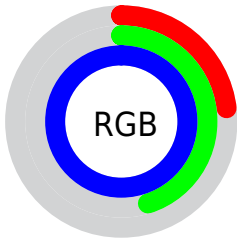
Format	Color
R _Y B	58, 102, 255
Decimal	3830783
CIE Lab	52.27, 30.02, -74.86
CIE LCh	52, 80.654, 291.851
Yxy	20.3810, 0.1807, 0.1420
Android (android.graphics.Color)	4282020863 (0xFF3A73FF)
YUV	113.9170, 69.5539, -49.0392
Hunter-Lab	45.1453, 23.5033, -96.0199

Details

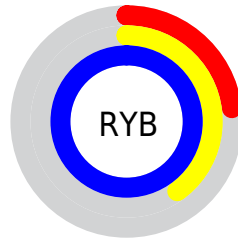
The XYZ color **25.9257, 20.3810, 97.1752** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **62.2023, 61.9619, 12.6867**, and the grayscale version is **15.7864, 16.6086, 18.0867**.

A 20% lighter version of the original color is **41.3591, 39.4790, 100.0481**, and **12.1452, 8.1655, 53.7593** is the 20% darker color. If you saturate the color by 10%, you get **22.9251, 16.0620, 96.4997**, and if you desaturate by 10%, it is **30.0675, 25.8914, 98.0206**.

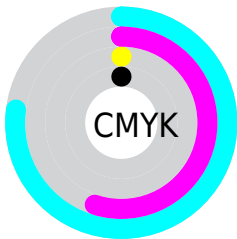
Distribution



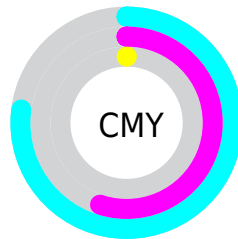
- Red (23%)
- Green (45%)
- Blue (100%)



- Red (23%)
- Yellow (40%)
- Blue (100%)



- Cyan (77%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)



- Cyan (77%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.9257, 20.3810, 97.1752 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 25.9257, 20.3810, 97.1752 by changing the saturation by 10% instead.

■ 25.9257, 20.3810,
97.1752

■ 25.9257, 20.3810,
97.1752

274.6805,
253.9703, 572.2667

■ 16.9005, 12.6723,
73.3399

■ 52.5872, 44.0550,
159.2877

■ 10.2584, 7.2033,
53.7604

■ 70.9542, 60.7892,
198.4019

■ 5.6342, 3.5896,
38.0183

■ 93.1658, 81.3006,
243.4461

■ 2.6625, 1.4467,
25.6949

■ 119.5874,
105.9736, 294.8389

■ 0.9779, 0.2508,
16.3718

150.5843,
135.1927, 352.9988

■ 0.0000, 0.0000,
9.6305

186.5219,

■ 0.0000, 0.0000,

169.3423, 418.3444

5.0522

227.7655,
208.8067, 491.2942

■ 0.0000, 0.0000,
2.2187

■ 0.0000, 0.0000,
0.6851

■ 25.9257, 20.3810,
97.1752

■ 25.9257, 20.3810,
97.1752

■ 22.9251, 16.0620,
96.4997

■ 30.0675, 25.8914,
98.0206

■ 20.9160, 12.8217,
95.9802

■ 35.4652, 32.6850,
99.0474

■ 20.4831, 12.0863,
95.8610

■ 42.2211, 40.8448,
100.2663

■ 50.4259, 50.4458,
101.6870

■ 60.1619, 61.5572,
103.3186

■ 71.5049, 74.2434,
105.1694

■ 84.5258, 88.5649,
107.2475

■ 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.



17.2001, 20.3810, 104.9115



25.9257, 20.3810, 97.1752



34.7927, 20.3810, 63.9833

Triad

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



25.9257, 20.3810, 97.1752



30.9713, 20.3810, 2.1757



7.4946, 20.3810, 16.3325

Complementary

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



25.9257, 20.3810, 97.1752



62.2023, 61.9619, 12.6867

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.



9.3508, 20.3810, 4.2565



25.9257, 20.3810, 97.1752



21.7184, 20.3810, 0.7182

Square

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



25.9257, 20.3810, 97.1752



38.2369, 20.3810, 9.1743



14.0270, 20.3810, 1.0700



8.0290, 20.3810, 43.8697

Rectangle

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



25.9257, 20.3810, 97.1752



38.7933, 20.3810, 39.6510



14.0270, 20.3810, 1.0700



7.8350, 20.3810, 10.7984

Sweetspot

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



25.9266, 20.3815, 97.1753



64.7799, 66.7504, 104.0776



47.4590, 76.4013, 64.4136



13.0210, 13.3382, 22.1382



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.



25.9266, 20.3815, 97.1753



21.6606, 14.0751, 96.1829



24.5379, 12.8121, 95.7874



17.4310, 18.2336, 22.8507



10.8131, 6.5359, 50.1262



1.1418, 0.8144, 4.9103

Inverse Universe

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



45.8484, 25.5257, 18.7301



43.1519, 22.3670, 10.9427



64.7260, 86.3643, 17.2639



18.2254, 18.0735, 19.8044



22.2462, 11.3878, 4.6808



2.2110, 1.1268, 0.6923

Previews

White Background



This preview shows how the XYZ color 25.9257, 20.3810, 97.1752 looks on a white background.

Color Contrast Check

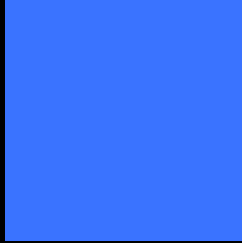
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.9257, 20.3810, 97.1752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

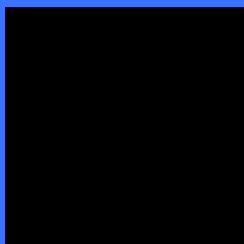
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

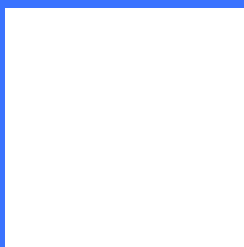
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.9257, 20.3810, 97.1752

Background



This preview shows how black text looks on a background with the XYZ color 25.9257, 20.3810, 97.1752.



This preview shows how white text looks on a background with the XYZ color 25.9257, 20.3810,

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

25.9257, 20.3810, 97.1752

Protanopia

24.3264, 20.2855, 95.5619

Deuteranopia

20.3756, 20.2932, 69.8609



Tritanopia

14.2121, 19.9979, 30.7147

Trichromacy



Original Color

25.9257, 20.3810, 97.1752

Protanomaly

24.6771, 20.2721, 96.3782

Deuteranomaly

21.9577, 20.1515, 79.0763

Tritanomaly

17.0224, 19.4051, 49.3028

Monochromacy



Original Color

25.9257, 20.3810, 97.1752

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.4249, 17.1309, 37.9855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.9257, 20.3810, 97.1752 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(58, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(58, 115, 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(58, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 115, 255) }
```

Border

The CSS property to change the border of an element to XYZ 25.9257, 20.3810, 97.1752 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(58, 115, 255) }
```


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

```
.border{ border-color:rgb(58, 115, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 115, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 115, 255);  
box-shadow:4px 4px 4px 4px rgb(58, 115,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 25.9257, 20.3810, 97.1752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 115, 255) }
```

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

```
.background{ background-color: rgb(58, 115,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor