

Converting Colors

XYZ(25.6340, 21.1878, 97.3463)

Have a look what the booklet for
XYZ(25.6340, 21.1878, 97.3463)
contains.

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Color

**XYZ(25.5658, 21.0650,
97.3262)**

Conversions

Conversions Part 1

Format	Color
Hex	2678FF
RGB	38, 120, 255
RGB Percent	15%, 47%, 100%
CMY	0.8509, 0.5294, 0.0000
CMYK	0.85, 0.53, 0.00, 0.00
HSL	217°, 100%, 57%
HSV	217°, 85%, 100%
XYZ	25.5658, 21.0650, 97.3262
YIQ	110.8720, -92.2070, 24.6010

Conversions

Conversions Part 2

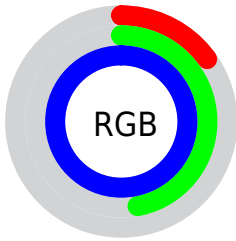
Format	Color
R _Y B	38, 98, 255
Decimal	2521343
CIE Lab	53.02, 25.26, -73.66
CIE LCh	53, 77.866, 288.926
Yxy	21.0650, 0.1776, 0.1463
Android (android.graphics.Color)	4280711423 (0xFF2678FF)
YUV	110.8720, 71.0551, -63.9087
Hunter-Lab	45.8966, 19.1108, -93.5999

Details

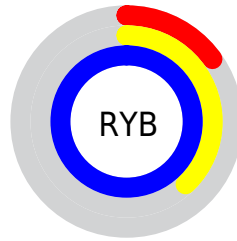
The XYZ color **25.5658, 21.0650, 97.3262** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **56.5389, 51.2973, 8.7574**, and the grayscale version is **14.8949, 15.6705, 17.0652**.

A 20% lighter version of the original color is **40.8286, 40.8626, 100.3431**, and **12.4606, 8.7963, 53.8644** is the 20% darker color. If you saturate the color by 10%, you get **23.1729, 17.2296, 96.7120**, and if you desaturate by 10%, it is **28.9189, 25.8647, 98.0759**.

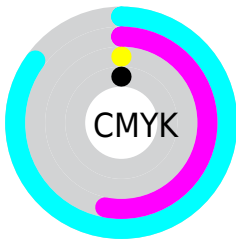
Distribution



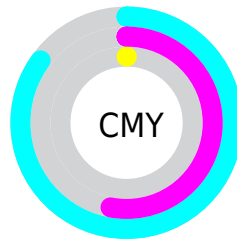
- Red (15%)
- Green (47%)
- Blue (100%)



- Red (15%)
- Yellow (38%)
- Blue (100%)



- Cyan (85%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)



- Cyan (85%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5658, 21.0650, 97.3262 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 25.5658, 21.0650, 97.3262 by changing the saturation by 10% instead.

■ 25.5658, 21.0650,
97.3262

■ 25.5658, 21.0650,
97.3262

272.9400,
257.6237, 572.7590

■ 16.6301, 13.1715,
73.4650

■ 52.0100, 45.1957,
159.4976

■ 10.0648, 7.5468,
53.8622

■ 70.2491, 62.2017,
198.6449

■ 5.5045, 3.8063,
38.0990

■ 92.3201, 83.0140,
243.7246

■ 2.5840, 1.5658,
25.7571

■ 118.5882,
108.0170, 295.1553

■ 0.9378, 0.3344,
16.4179

■ 149.4190,
137.5950, 353.3556

■ 0.0000, 0.0000,
9.6628

185.1776,

■ 0.0000, 0.0000,

172.1326, 418.7439

5.0733

226.2295,
212.0140, 491.7389

■ 0.0000, 0.0000,
2.2308

■ 0.0000, 0.0000,
0.6921

■ 25.5658, 21.0650,
97.3262

■ 25.5658, 21.0650,
97.3262

■ 23.1729, 17.2296,
96.7120

■ 28.9189, 25.8647,
98.0759

■ 22.2640, 15.6480,
96.4547

■ 33.3571, 31.7147,
98.9712

■ 38.9866, 38.6898,
100.0208

■ 45.8989, 46.8564,
101.2328

■ 54.1761, 56.2746,
102.6144

■ 63.8927, 67.0004,
104.1726

■ 75.1178, 79.0856,
105.9137

■ 87.9156, 92.5792,
107.8437

■ 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.



17.1512, 21.0650, 101.5687



25.5658, 21.0650, 97.3262



34.3653, 21.0650, 67.0589

Triad

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



25.5658, 21.0650, 97.3262



32.2290, 21.0650, 2.9842



8.2170, 21.0650, 15.3295

Complementary

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



25.5658, 21.0650, 97.3262



56.5389, 51.2973, 8.7574

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.



10.3548, 21.0650, 4.2494



25.5658, 21.0650, 97.3262



23.1957, 21.0650, 1.0511

Square

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



25.5658, 21.0650, 97.3262



38.8785, 21.0650, 11.2130



15.3432, 21.0650, 1.2689



8.5285, 21.0650, 40.8580

Rectangle

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



25.5658, 21.0650, 97.3262



38.5656, 21.0650, 43.2335



15.3432, 21.0650, 1.2689



8.6432, 21.0650, 10.2571

Sweetspot

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



25.5668, 21.0655, 97.3263



62.9449, 65.9664, 104.0230



43.9900, 74.9045, 51.0820



12.7267, 13.3010, 22.1465



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.



25.5668, 21.0655, 97.3263



22.2640, 15.6480, 96.4547



20.8156, 9.6759, 95.3783



17.5654, 18.5023, 22.8955



11.7654, 8.4404, 50.4436



1.2467, 1.0241, 4.9452

Inverse Universe

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



45.3241, 24.0040, 20.0137



43.3670, 22.1108, 13.1308



68.6428, 88.4313, 15.2870



18.2933, 18.1006, 20.1614



22.7268, 11.5800, 7.2120



2.2639, 1.1479, 0.9711

Previews

White Background



This preview shows how the XYZ color 25.5658, 21.0650, 97.3262 looks on a white background.

Color Contrast Check

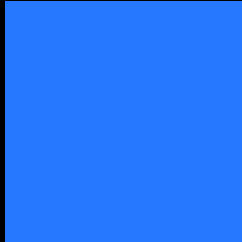
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5658, 21.0650, 97.3262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

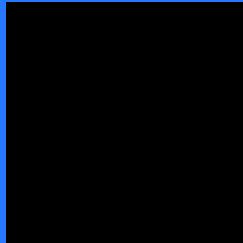
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

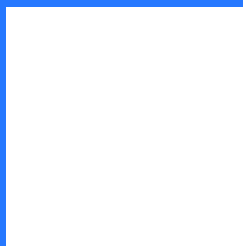
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.5658, 21.0650, 97.3262

Background



This preview shows how black text looks on a background with the XYZ color 25.5658, 21.0650, 97.3262.



This preview shows how white text looks on a background with the XYZ color 25.5658, 21.0650,

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

25.5658, 21.0650, 97.3262

Protanopia

25.2641, 21.0889, 97.3468

Deuteranopia

21.0351, 20.9744, 72.0470



Tritanopia

14.8029, 20.9261, 31.6927

Trichromacy



Original Color

25.5658, 21.0650, 97.3262

Protanomaly

25.3941, 21.1560, 97.3528

Deuteranomaly

22.4932, 20.9556, 80.7012

Tritanomaly

17.6457, 20.4993, 50.6037

Monochromacy



Original Color

25.5658, 21.0650, 97.3262

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.2843, 16.5638, 36.9892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5658, 21.0650, 97.3262 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(38, 120, 255)` looks like.

```
.text, #text, p{  
    color:rgb(38, 120, 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(38, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 120, 255) }
```

Border

The CSS property to change the border of an element to XYZ 25.5658, 21.0650, 97.3262 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(38, 120, 255) }
```


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

```
.border{ border-color:rgb(38, 120, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 120, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 120, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 120, 255);  
box-shadow:4px 4px 4px 4px rgb(38, 120,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5658, 21.0650, 97.3262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 120, 255) }
```

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

```
.background{ background-color: rgb(38, 120,  
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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