

Converting Colors

XYZ(24.7658, 21.6637, 89.1038)

Have a look what the booklet for
XYZ(24.7658, 21.6637, 89.1038)
contains.

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Color

**XYZ(24.8538, 21.7953,
89.2832)**

Conversions

Conversions Part 1

Format	Color
Hex	2C7DF5
RGB	44, 125, 245
RGB Percent	17%, 49%, 96%
CMY	0.8274, 0.5098, 0.0392
CMYK	0.82, 0.49, 0.00, 0.04
HSL	216°, 91%, 57%
HSV	216°, 82%, 96%
XYZ	24.8538, 21.7953, 89.2832
YIQ	114.4610, -86.7960, 20.1480

Conversions

Conversions Part 2

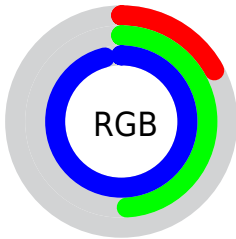
Format	Color
R _Y B	44, 102, 245
Decimal	2915829
CIE Lab	53.81, 18.83, -66.84
CIE LCh	54, 69.439, 285.736
Yxy	21.7953, 0.1828, 0.1603
Android (android.graphics.Color)	4281105909 (0xFF2C7DF5)
YUV	114.4610, 64.3557, -61.7943
Hunter-Lab	46.6854, 13.3280, -80.7089

Details

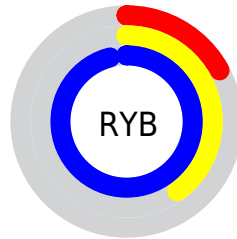
The XYZ color **24.8538, 21.7953, 89.2832** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **51.3907, 46.1532, 8.5848**, and the grayscale version is **15.9660, 16.7975, 18.2925**.

A 20% lighter version of the original color is **41.7982, 42.8019, 100.6663**, and **11.7310, 8.9386, 48.6840** is the 20% darker color. If you saturate the color by 10%, you get **22.3765, 17.9687, 88.6757**, and if you desaturate by 10%, it is **28.2259, 26.4883, 90.0118**.

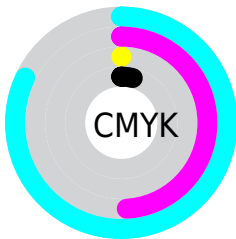
Distribution



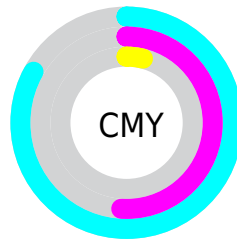
- Red (17%)
- Green (49%)
- Blue (96%)



- Red (17%)
- Yellow (40%)
- Blue (96%)



- Cyan (82%)
- Magenta (49%)
- Yellow (0%)
- Black (4%)



- Cyan (83%)
- Magenta (51%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8538, 21.7953, 89.2832 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 24.8538, 21.7953, 89.2832 by changing the saturation by 10% instead.

■ 24.8538, 21.7953,
89.2832

■ 24.8538, 21.7953,
89.2832

269.4702,
261.4754, 546.2062

■ 16.0963, 13.7066,
66.8159

■ 50.8645, 46.4074,
148.2691

■ 9.6836, 7.9169,
48.4744

■ 68.8485, 63.6996,
185.6249

■ 5.2503, 4.0418,
33.8401

■ 90.6387, 84.8284,
228.7805

■ 2.4311, 1.6970,
22.4944

■ 116.6004,
110.1782, 278.1546

■ 0.8607, 0.4217,
14.0188

■ 147.0991,
140.1335, 334.1657

■ 0.0000, 0.0000,
7.9949

182.5000,

■ 0.0000, 0.0000,

175.0785, 397.2323

4.0039

223.1686,
215.3976, 467.7729

■ 0.0000, 0.0000,
1.6275

■ 0.0000, 0.0000,
0.3103

■ 24.8538, 21.7953,
89.2832

■ 24.8538, 21.7953,
89.2832

■ 22.3765, 17.9687,
88.6757

■ 28.2259, 26.4883,
90.0118

■ 20.9166, 15.4627,
88.2689

■ 32.5960, 32.1171,
90.8680

■ 38.0546, 38.7442,
91.8594

■ 44.6803, 46.4248,
92.9927

■ 52.5437, 55.2095,
94.2739

■ 61.7095, 65.1451,
95.7086

■ 72.2378, 76.2757,
97.3021

■ 84.1845, 88.6425,
99.0595

■ 93.4815, 99.3726,
100.6406

Harmonies

Analogous

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



17.3792, 21.7953, 89.9453



24.8538, 21.7953, 89.2832



32.7772, 21.7953, 65.4931

Triad

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



24.8538, 21.7953, 89.2832



32.4248, 21.7953, 4.7962



9.6931, 21.7953, 14.9815

Complementary

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



24.8538, 21.7953, 89.2832



51.3907, 46.1532, 8.5848

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.



12.0490, 21.7953, 5.0577



24.8538, 21.7953, 89.2832



24.4542, 21.7953, 2.0334

Square

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



24.8538, 21.7953, 89.2832



37.8133, 21.7953, 14.2441



17.0646, 21.7953, 2.0869



9.7507, 21.7953, 36.7045

Rectangle

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



24.8538, 21.7953, 89.2832



36.7343, 21.7953, 44.9285



17.0646, 21.7953, 2.0869



10.1988, 21.7953, 10.5378

Sweetspot

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



24.8548, 21.7959, 89.2838



64.3952, 67.9217, 104.3240



40.1481, 68.4235, 44.9292



13.0245, 13.7160, 22.2109



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.



24.8548, 21.7959, 89.2838



23.2463, 17.5178, 96.7638



19.2933, 9.3803, 87.1805



16.1292, 17.0228, 20.9782



11.3952, 8.5843, 47.5944



1.0995, 0.9503, 4.2157

Inverse Universe

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



42.2596, 22.6962, 21.5557



43.8860, 22.4070, 15.5905



65.1827, 82.0225, 14.7814



16.7758, 16.5932, 18.5660



21.5563, 10.9660, 7.6379



1.9440, 0.9836, 0.9316

Previews

White Background



This preview shows how the XYZ color 24.8538, 21.7953, 89.2832 looks on a white background.

Color Contrast Check

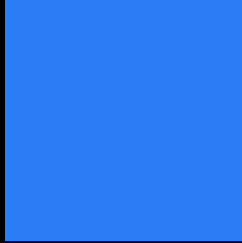
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8538, 21.7953, 89.2832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

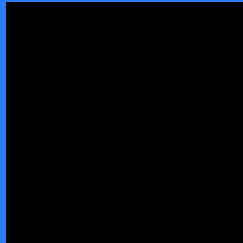
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

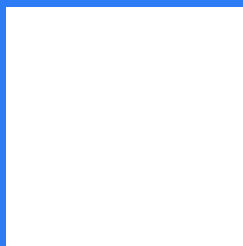
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8538, 21.7953, 89.2832

Background



This preview shows how black text looks on a background with the XYZ color 24.8538, 21.7953, 89.2832.



This preview shows how white text looks on a background with the XYZ color 24.8538, 21.7953,

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

24.8538, 21.7953, 89.2832

Protanopia

25.2488, 21.8470, 87.6802

Deuteranopia

21.9862, 21.5667, 76.4028



Tritanopia

15.3405, 21.6130, 33.0690

Trichromacy



Original Color

24.8538, 21.7953, 89.2832

Protanomaly

25.0581, 21.7312, 88.4618

Deuteranomaly

22.7841, 21.4890, 80.7888

Tritanomaly

17.8808, 21.2636, 49.6163

Monochromacy



Original Color

24.8538, 21.7953, 89.2832

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.1198, 17.6893, 36.6945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8538, 21.7953, 89.2832 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(44, 125, 245)` looks like.

```
.text, #text, p{  
    color:rgb(44, 125, 245)  
}
```

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(44, 125, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 125, 245) }
```

Border

The CSS property to change the border of an element to XYZ 24.8538, 21.7953, 89.2832 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(44, 125, 245) }
```


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

```
.border{ border-color:rgb(44, 125, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 125, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 125, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 125, 245);  
box-shadow:4px 4px 4px 4px rgb(44, 125,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8538, 21.7953, 89.2832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 125, 245) }
```

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

```
.background{ background-color: rgb(44, 125,  
245) }
```

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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