

Converting Colors

XYZ(24.8483, 21.0699, 81.3829)

Have a look what the booklet for
XYZ(24.8483, 21.0699, 81.3829)
contains.

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Color

**XYZ(24.8538, 21.0508,
81.3505)**

Conversions

Conversions Part 1

Format	Color
Hex	4E78EB
RGB	78, 120, 235
RGB Percent	31%, 47%, 92%
CMY	0.6941, 0.5294, 0.0784
CMYK	0.67, 0.49, 0.00, 0.08
HSL	224°, 80%, 61%
HSV	224°, 67%, 92%
XYZ	24.8538, 21.0508, 81.3505
YIQ	120.5520, -61.9470, 26.8610

Conversions

Conversions Part 2

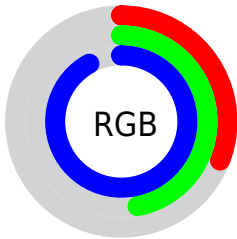
Format	Color
R _Y B	78, 111, 235
Decimal	5142763
CIE Lab	53.01, 22.30, -62.51
CIE LCh	53, 66.364, 289.633
Yxy	21.0508, 0.1953, 0.1654
Android (android.graphics.Color)	4283332843 (0xFF4E78EB)
YUV	120.5520, 56.4229, -37.3181
Hunter-Lab	45.8812, 16.4014, -73.0085

Details

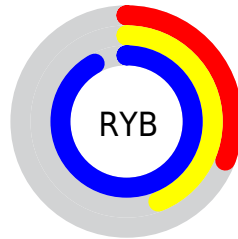
The XYZ color **24.8538, 21.0508, 81.3505** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **54.7089, 56.3569, 15.2042**, and the grayscale version is **17.8695, 18.8001, 20.4733**.

A 20% lighter version of the original color is **43.9579, 42.4758, 100.4896**, and **10.3532, 7.8491, 43.0888** is the 20% darker color. If you saturate the color by 10%, you get **21.3733, 16.4547, 80.6473**, and if you desaturate by 10%, it is **29.3959, 26.7470, 82.2111**.

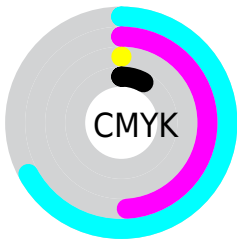
Distribution



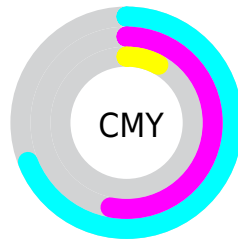
- Red (31%)
- Green (47%)
- Blue (92%)



- Red (31%)
- Yellow (44%)
- Blue (92%)



- Cyan (67%)
- Magenta (49%)
- Yellow (0%)
- Black (8%)



- Cyan (69%)
- Magenta (53%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8538, 21.0508, 81.3505 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, 21.0508, 81.3505 by changing the saturation by 10% instead.

■ 24.8538, 21.0508,
81.3505

■ 24.8538, 21.0508,
81.3505

269.4702,
257.5483, 519.2988

■ 16.0963, 13.1611,
60.2976

■ 50.8645, 45.1721,
137.0913

■ 9.6836, 7.5396,
43.2317

■ 68.8485, 62.1725,
172.6163

■ 5.2503, 3.8018,
29.7342

■ 90.6387, 82.9786,
213.8024

■ 2.4311, 1.5633,
19.3866

■ 116.6004,
107.9747, 261.0682

■ 0.8607, 0.3327,
11.7703

147.0991,
137.5454, 314.8322

■ 0.0000, 0.0000,
6.4668

182.5000,

■ 0.0000, 0.0000,

172.0750, 375.5130

3.0576

223.1686,
211.9478, 443.5290

■ 0.0000, 0.0000,
1.1241

■ 0.0000, 0.0000,
0.0000

■ 24.8538, 21.0508,
81.3505

■ 24.8538, 21.0508,
81.3505

■ 21.3733, 16.4547,
80.6473

■ 29.3959, 26.7470,
82.2111

■ 18.8546, 12.8770,
80.0895

■ 35.0811, 33.6122,
83.2366

■ 17.1783, 10.2242,
79.6658

■ 41.9856, 41.7115,
84.4360

■ 16.7650, 9.5373,
79.5550

■ 50.1782, 51.1044,
85.8172

■ 59.7222, 61.8462,
87.3875

■ 70.6766, 73.9890,
89.1540

■ 83.0970, 87.5821,
91.1231

■ 91.9955, 98.7782,
92.8151

Harmonies

Analogous

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



17.6935, 21.0508, 85.1392



24.8538, 21.0508, 81.3505



32.0452, 21.0508, 57.8191

Triad

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



24.8538, 21.0508, 81.3505



29.9963, 21.0508, 4.3575



9.5139, 21.0508, 16.6881

Complementary

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



24.8538, 21.0508, 81.3505



54.7089, 56.3569, 15.2042

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.



11.4404, 21.0508, 5.9725



24.8538, 21.0508, 81.3505



22.5163, 21.0508, 2.1068

Square

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



24.8538, 21.0508, 81.3505



35.4589, 21.0508, 12.2979



15.8372, 21.0508, 2.4506



9.8592, 21.0508, 38.3742

Rectangle

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



24.8538, 21.0508, 81.3505



35.3730, 21.0508, 39.0291



15.8372, 21.0508, 2.4506



9.8958, 21.0508, 11.9954

Sweetspot

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



24.8548, 21.0514, 81.3511



67.9303, 70.0142, 104.5415



42.2024, 64.7776, 59.2928



13.8428, 14.2017, 22.2616



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, 21.0514, 81.3511



24.5245, 18.1423, 96.8170



24.4059, 14.8948, 80.1864



14.5589, 15.2043, 19.0896



9.4201, 5.4871, 44.3056



0.8167, 0.5850, 3.5047

Inverse Universe

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



40.3765, 24.4686, 20.3643



45.0027, 24.6592, 15.9049



55.1677, 72.3828, 18.2733



15.2309, 15.1202, 16.5013



19.6101, 10.0467, 3.7482



1.5788, 0.8045, 0.4991

Previews

White Background



This preview shows how the XYZ color 24.8538, 21.0508, 81.3505 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, 21.0508, 81.3505 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, 21.0508, 81.3505

Background



This preview shows how black text looks on a background with the XYZ color 24.8538, 21.0508, 81.3505.



This preview shows how white text looks on a background with the XYZ color 24.8538, 21.0508,

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, 21.0508, 81.3505

Protanopia

24.2955, 21.0903, 82.9111

Deuteranopia

21.4466, 20.9293, 74.8609



Tritanopia

14.9640, 20.9905, 32.5410

Trichromacy



Original Color

24.8538, 21.0508, 81.3505

Protanomaly

24.3616, 20.9598, 82.1185

Deuteranomaly

21.9554, 20.5713, 76.9422

Tritanomaly

17.3099, 20.3993, 47.2811

Monochromacy



Original Color

24.8538, 21.0508, 81.3505

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.1847, 19.2866, 36.8940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8538, 21.0508, 81.3505 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(78, 120, 235)` looks like.

```
.text, #text, p{  
    color:rgb(78, 120, 235)  
}
```

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(78, 120, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 120, 235) }
```

Border

The CSS property to change the border of an element to XYZ 24.8538, 21.0508, 81.3505 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(78, 120, 235) }
```


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

```
.border{ border-color:rgb(78, 120, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 120, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 120, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 120, 235);  
box-shadow:4px 4px 4px 4px rgb(78, 120,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8538, 21.0508, 81.3505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 120, 235) }
```

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

```
.background{ background-color: rgb(78, 120,  
235) }
```

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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