

Converting Colors

XYZ(20.4388, 14.5562, 87.9586)

Have a look what the booklet for
XYZ(20.4388, 14.5562, 87.9586)
contains.

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Color

**XYZ(20.4841, 14.5980,
88.1243)**

Conversions

Conversions Part 1

Format	Color
Hex	005EF5
RGB	0, 94, 245
RGB Percent	0%, 37%, 96%
CMY	0.9997, 0.6314, 0.0392
CMYK	1.00, 0.62, 0.00, 0.04
HSL	217°, 100%, 48%
HSV	217°, 100%, 96%
XYZ	20.4841, 14.5980, 88.1243
YIQ	83.1080, -104.4950, 27.0330

Conversions

Conversions Part 2

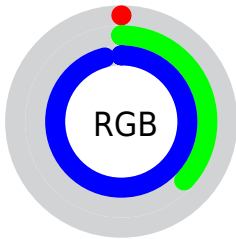
Format	Color
R _{YB}	0, 68, 245
Decimal	24309
CIE Lab	45.08, 36.51, -81.08
CIE LCh	45, 88.916, 294.240
Yxy	14.5980, 0.1663, 0.1185
Android (android.graphics.Color)	4278214389 (0xFF005EF5)
YUV	83.1080, 79.8128, -72.8857
Hunter-Lab	38.2073, 28.8364, -110.0059

Details

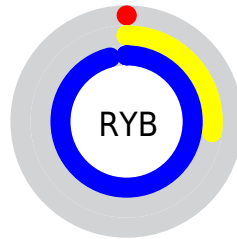
The XYZ color **20.4841, 14.5980, 88.1243** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated blue. A complement of this color would be **48.7339, 41.5671, 5.4565**, and the grayscale version is **8.1062, 8.5284, 9.2874**.

A 20% lighter version of the original color is **34.7054, 30.6113, 98.6871**, and **10.1102, 5.8691, 47.6137** is the 20% darker color. If you saturate the color by 10%, you get **20.4806, 14.5908, 88.1235**, and if you desaturate by 10%, it is **22.3514, 17.7531, 88.6353**.

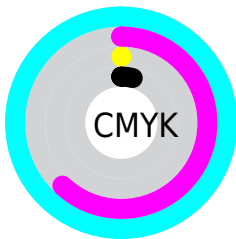
Distribution



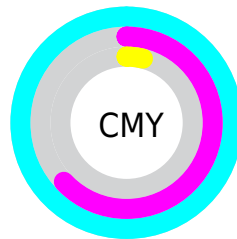
- Red (0%)
- Green (37%)
- Blue (96%)



- Red (0%)
- Yellow (27%)
- Blue (96%)



- Cyan (100%)
- Magenta (62%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (63%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4841, 14.5980, 88.1243 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 20.4841, 14.5980, 88.1243 by changing the saturation by 10% instead.

■ 20.4841, 14.5980,
88.1243

■ 20.4841, 14.5980,
88.1243

247.3078,
220.9199, 542.3221

■ 12.8577, 8.5377,
65.8611

■ 43.7251, 34.1464,
146.6429

■ 7.4070, 4.4409,
47.7039

■ 60.0705, 48.4033,
183.7353

■ 3.7665, 1.9231,
33.2341

■ 80.0529, 66.1613,
226.6079

■ 1.5709, 0.5622,
22.0333

■ 104.0376, 87.8046,
275.6792

■ 0.3733, 0.0000,
13.6828

■ 132.3902,
113.7177, 331.3677

■ 0.0000, 0.0000,
7.7642

165.4758,

■ 0.0000, 0.0000,

144.2851, 394.0920

3.8588

203.6599,
179.8910, 464.2706

■ 0.0000, 0.0000,
1.5482

■ 0.0000, 0.0000,
0.2535

■ 20.4841, 14.5980,
88.1243

■ 20.4841, 14.5980,
88.1243

■ 20.4806, 14.5908,
88.1235

■ 22.3514, 17.7531,
88.6353

■ 24.9849, 21.7145,
89.2611

■ 28.5499, 26.5868,
90.0137

■ 33.1498, 32.4415,
90.9013

■ 38.8726, 39.3412,
91.9315

■ 45.7961, 47.3424,
93.1109

■ 53.9907, 56.4967,
94.4460

■ 63.5210, 66.8524,
95.9426

■ 74.4470, 78.4546,
97.6061

Harmonies

Analogous

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



12.5114, 14.5980, 99.0287



20.4841, 14.5980, 88.1243



28.6950, 14.5980, 52.9419

Triad

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



20.4841, 14.5980, 88.1243



23.8185, 14.5980, 0.3893



4.0614, 14.5980, 12.1870

Complementary

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



20.4841, 14.5980, 88.1243



48.7339, 41.5671, 5.4565

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.



5.3079, 14.5980, 2.0663



20.4841, 14.5980, 88.1243



15.3341, 14.5980, 0.0000

Square

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



20.4841, 14.5980, 88.1243



31.0465, 14.5980, 4.4328



8.8665, 14.5980, 0.0000



4.5986, 14.5980, 38.8172

Rectangle

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



20.4841, 14.5980, 88.1243



32.2789, 14.5980, 29.5293



8.8665, 14.5980, 0.0000



4.2664, 14.5980, 7.2756

Sweetspot

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



20.4850, 14.5983, 88.1247



59.0415, 61.7772, 103.4201



37.9219, 67.4130, 38.6278



11.7895, 12.2835, 21.9995



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.



20.4850, 14.5983, 88.1247



22.3985, 15.9169, 96.4995



16.8723, 6.7951, 86.8090



16.1021, 16.9686, 20.9692



11.1570, 8.1078, 47.5149



1.0768, 0.9050, 4.2082

Inverse Universe

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



39.6774, 20.2221, 12.4015



43.4349, 22.1380, 13.4882



62.3218, 80.6002, 12.2745



16.7621, 16.5877, 18.4940



21.4361, 10.9179, 7.0046



1.9326, 0.9790, 0.8713

Previews

White Background



This preview shows how the XYZ color 20.4841, 14.5980, 88.1243 looks on a white background.

Color Contrast Check

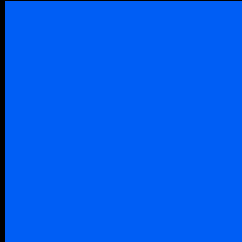
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.4841, 14.5980, 88.1243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

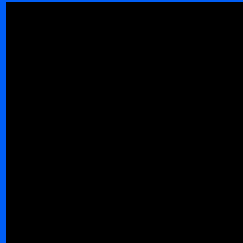
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

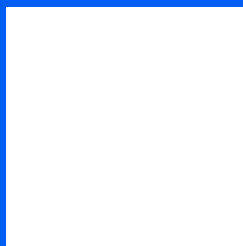
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4841, 14.5980, 88.1243

Background



This preview shows how black text looks on a background with the XYZ color 20.4841, 14.5980, 88.1243.



This preview shows how white text looks on a background with the XYZ color 20.4841, 14.5980,

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

20.4841, 14.5980, 88.1243

Protanopia

17.1460, 14.4606, 66.8532

Deuteranopia

14.2256, 14.4401, 47.9364



Tritanopia

10.1801, 14.4375, 21.6522

Trichromacy



Original Color

20.4841, 14.5980, 88.1243

Protanomaly

18.3270, 14.4697, 74.5000

Deuteranomaly

16.2128, 14.4056, 60.9575

Tritanomaly

12.6301, 13.8019, 39.5345

Monochromacy



Original Color

20.4841, 14.5980, 88.1243

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.7589, 9.5263, 26.9156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4841, 14.5980, 88.1243 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(0, 94, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 94, 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(0, 94, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 94, 245) }
```

Border

The CSS property to change the border of an element to XYZ 20.4841, 14.5980, 88.1243 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(0, 94, 245) }
```


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

```
.border{ border-color:rgb(0, 94, 245) }
```

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

Here you see how a box with a 4 pixel rgb(0, 94, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 94, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 94, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 94, 245)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.4841, 14.5980, 88.1243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 94, 245) }
```

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

```
.background{ background-color: rgb(0, 94,  
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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