

Converting Colors

XYZ(9.9155, 9.9970, 84.1226)

Have a look what the booklet for
XYZ(9.9155, 9.9970, 84.1226)
contains.

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Color

**XYZ(20.2853, 15.4056,
84.3425)**

Conversions

Conversions Part 1

Format	Color
Hex	0064F0
RGB	0, 100, 240
RGB Percent	0%, 39%, 94%
CMY	0.9998, 0.6078, 0.0588
CMYK	1.00, 0.58, 0.00, 0.06
HSL	215°, 100%, 47%
HSV	215°, 100%, 94%
XYZ	20.2853, 15.4056, 84.3425
YIQ	86.0600, -104.5400, 22.3400

Conversions

Conversions Part 2

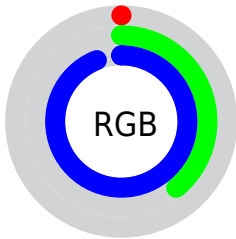
Format	Color
RYB	0, 71, 240
Decimal	25840
CIELab	46.18, 30.76, -76.46
CIElCh	46, 82.420, 291.917
Yxy	15.4056, 0.1690, 0.1283
Android (android.graphics.Color)	4278215920 (0xFF0064F0)
YUV	86.0600, 75.8924, -75.4746
Hunter-Lab	39.2500, 23.5655, -99.9306

Details

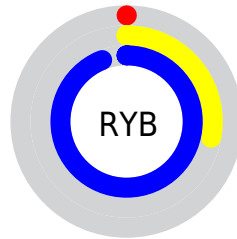
The XYZ color **20.2853, 15.4056, 84.3425** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **45.3230, 37.3001, 4.8126**, and the grayscale version is **8.7223, 9.1765, 9.9933**.

A 20% lighter version of the original color is **35.3868, 32.3477, 98.9864**, and **9.9134, 6.1513, 45.4646** is the 20% darker color. If you saturate the color by 10%, you get **20.2819, 15.3986, 84.3418**, and if you desaturate by 10%, it is **22.1241, 18.5216, 84.8475**.

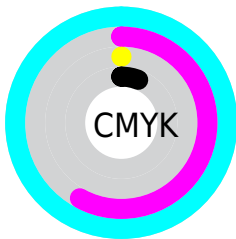
Distribution



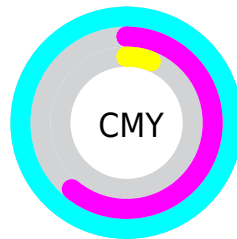
- Red (0%)
- Green (39%)
- Blue (94%)



- Red (0%)
- Yellow (28%)
- Blue (94%)



- Cyan (100%)
- Magenta (58%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (61%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2853, 15.4056, 84.3425 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 20.2853, 15.4056, 84.3425 by changing the saturation by 10% instead.

■ 20.2853, 15.4056,
84.3425

■ 20.2853, 15.4056,
84.3425

246.2597,
225.8083, 529.5376

■ 12.7121, 9.1045,
62.7512

■ 43.3953, 35.5632,
141.3202

■ 7.3062, 4.8094,
45.2003

■ 59.6628, 50.1885,
177.5437

■ 3.7024, 2.1359,
31.2711

■ 79.5590, 68.3573,
219.4816

■ 1.5352, 0.6847,
20.5452

■ 103.4495, 90.4540,
267.5526

■ 0.3496, 0.0000,
12.6040

■ 131.6994,
116.8631, 322.1752

■ 0.0000, 0.0000,
7.0289

164.6741,

■ 0.0000, 0.0000,

147.9689, 383.7678

3.4015

202.7391,
184.1558, 452.7491

■ 0.0000, 0.0000,
1.3031

■ 0.0000, 0.0000,
0.0643

■ 20.2853, 15.4056,
84.3425

■ 20.2853, 15.4056,
84.3425

■ 20.2819, 15.3986,
84.3418

■ 22.1241, 18.5216,
84.8475

■ 24.6702, 22.3613,
85.4544

■ 28.0800, 27.0206,
86.1740

■ 32.4496, 32.5632,
87.0136

■ 37.8608, 39.0451,
87.9795

■ 44.3858, 46.5163,
89.0777

■ 52.0899, 55.0229,
90.3135

■ 61.0331, 64.6076,
91.6922

■ 71.2710, 75.3105,
93.2185

Harmonies

Analogous

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



12.8243, 15.4056, 91.6205



20.2853, 15.4056, 84.3425



28.0556, 15.4056, 53.7368

Triad

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



20.2853, 15.4056, 84.3425



24.6541, 15.4056, 1.0331



4.9274, 15.4056, 11.9015

Complementary

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



20.2853, 15.4056, 84.3425



45.3230, 37.3001, 4.8126

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.



6.3762, 15.4056, 2.4389



20.2853, 15.4056, 84.3425



16.6251, 15.4056, 0.0000

Square

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



20.2853, 15.4056, 84.3425



31.0886, 15.4056, 6.0815



10.1572, 15.4056, 0.2213



5.3461, 15.4056, 35.7534

Rectangle

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



20.2853, 15.4056, 84.3425



31.6020, 15.4056, 31.8745



10.1572, 15.4056, 0.2213



5.1898, 15.4056, 7.4039

Sweetspot

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



20.2862, 15.4059, 84.3430



59.6614, 63.0170, 103.6267



35.8966, 64.2151, 35.3239



11.9348, 12.5740, 22.0479



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.



20.2862, 15.4059, 84.3430



23.2258, 17.5715, 96.7753



16.0186, 6.4420, 82.8377



15.4382, 16.3105, 20.0562



11.2269, 8.6781, 46.2112



1.0300, 0.9139, 3.8763

Inverse Universe

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



38.2363, 19.4468, 13.7948



43.8525, 22.3050, 15.6872



60.6775, 77.5372, 11.7699



16.0459, 15.8681, 17.7977



20.9924, 10.6694, 7.8767



1.7948, 0.9070, 0.9105

Previews

White Background



This preview shows how the XYZ color 20.2853, 15.4056, 84.3425 looks on a white background.

Color Contrast Check

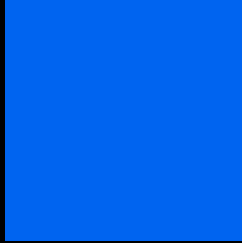
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2853, 15.4056, 84.3425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

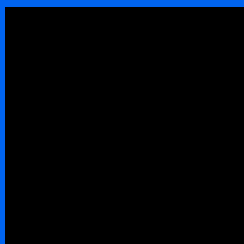
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

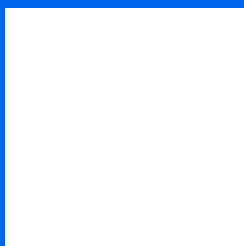
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2853, 15.4056, 84.3425

Background



This preview shows how black text looks on a background with the XYZ color 20.2853, 15.4056, 84.3425.



This preview shows how white text looks on a background with the XYZ color 20.2853, 15.4056,

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

20.2853, 15.4056, 84.3425

Protanopia

18.2364, 15.3771, 71.1142

Deuteranopia

15.1981, 15.3499, 51.4520



Tritanopia

10.7337, 15.2333, 22.7967

Trichromacy



Original Color

20.2853, 15.4056, 84.3425

Protanomaly

18.9931, 15.3576, 76.0920

Deuteranomaly

16.8712, 15.3286, 62.3911

Tritanomaly

13.0666, 14.6748, 39.6800

Monochromacy



Original Color

20.2853, 15.4056, 84.3425

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

10.1991, 10.2474, 27.0316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2853, 15.4056, 84.3425 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, 100, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 240)  
}
```

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, 100, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 240) }
```

Border

The CSS property to change the border of an element to XYZ 20.2853, 15.4056, 84.3425 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, 100, 240) }
```


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

```
.border{ border-color:rgb(0, 100, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 100, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 100,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2853, 15.4056, 84.3425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 100, 240) }
```

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

```
.background{ background-color: rgb(0, 100,  
240) }
```

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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