

Converting Colors

XYZ(11.3511, 9.5388, 86.6517)

Have a look what the booklet for
XYZ(11.3511, 9.5388, 86.6517)
contains.

XYZ(20.0702, 14.0138, 87.2351)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.0702, 14.0138,
87.2351)**

Conversions

Conversions Part 1

Format	Color
Hex	005BF4
RGB	0, 91, 244
RGB Percent	0%, 36%, 96%
CMY	0.9997, 0.6431, 0.0431
CMYK	1.00, 0.63, 0.00, 0.04
HSL	218°, 100%, 48%
HSV	218°, 100%, 96%
XYZ	20.0702, 14.0138, 87.2351
YIQ	81.2330, -103.3490, 28.2910

Conversions

Conversions Part 2

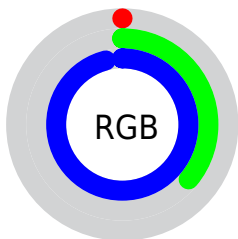
Format	Color
R _{YB}	0, 66, 244
Decimal	23540
CIE Lab	44.25, 38.03, -81.87
CIE LCh	44, 90.274, 294.917
Yxy	14.0138, 0.1654, 0.1155
Android (android.graphics.Color)	4278213620 (0xFF005BF4)
YUV	81.2330, 80.2441, -71.2413
Hunter-Lab	37.4350, 30.1887, -111.9594

Details

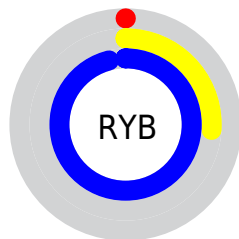
The XYZ color **20.0702, 14.0138, 87.2351** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated blue. A complement of this color would be **48.7114, 42.0386, 5.5488**, and the grayscale version is **7.7323, 8.1350, 8.8590**.

A 20% lighter version of the original color is **34.2570, 29.7145, 98.5377**, and **9.8794, 5.5782, 47.0104** is the 20% darker color. If you saturate the color by 10%, you get **20.0666, 14.0064, 87.2343**, and if you desaturate by 10%, it is **21.9025, 17.1023, 87.7351**.

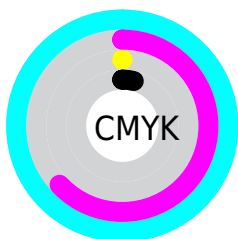
Distribution



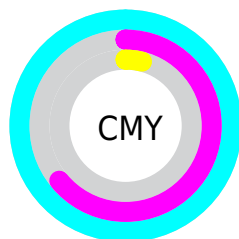
- Red (0%)
- Green (36%)
- Blue (96%)



- Red (0%)
- Yellow (26%)
- Blue (96%)



- Cyan (100%)
- Magenta (63%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (64%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0702, 14.0138, 87.2351 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 20.0702, 14.0138, 87.2351 by changing the saturation by 10% instead.

■ 20.0702, 14.0138,
87.2351

■ 20.0702, 14.0138,
87.2351

245.1212,
217.3167, 539.3313

■ 12.5546, 8.1303,
65.1290

■ 43.0379, 33.1135,
145.3935

■ 7.1975, 4.1784,
47.1137

■ 59.2207, 47.0985,
182.2830

■ 3.6333, 1.7739,
32.7706

■ 79.0234, 64.5527,
224.9374

■ 1.4969, 0.4708,
21.6811

■ 102.8112, 85.8606,
273.7751

■ 0.3237, 0.0000,
13.4267

■ 130.9495,
111.4065, 329.2149

■ 0.0000, 0.0000,
7.5888

163.8038,

■ 0.0000, 0.0000,

141.5749, 391.6752

3.7490

201.7392,
176.7502, 461.5745

■ 0.0000, 0.0000,
1.4887

■ 0.0000, 0.0000,
0.2095

■ 20.0702, 14.0138,
87.2351

■ 20.0702, 14.0138,
87.2351

■ 20.0666, 14.0064,
87.2343

■ 21.9025, 17.1023,
87.7351

■ 24.5009, 21.0043,
88.3513

■ 28.0304, 25.8249,
89.0958

■ 32.5939, 31.6367,
89.9770

■ 38.2792, 38.5029,
91.0027

■ 45.1641, 46.4806,
92.1797

■ 53.3188, 55.6223,
93.5144

■ 62.8079, 65.9768,
95.0129

■ 73.6911, 77.5897,
96.6808

Harmonies

Analogous

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



12.1266, 14.0138, 99.0716



20.0702, 14.0138, 87.2351



28.2253, 14.0138, 51.4424

Triad

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



20.0702, 14.0138, 87.2351



23.0040, 14.0138, 0.1695



3.7220, 14.0138, 11.9987

Complementary

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



20.0702, 14.0138, 87.2351



48.7114, 42.0386, 5.5488

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.



4.8801, 14.0138, 1.9135



20.0702, 14.0138, 87.2351



14.5886, 14.0138, 0.0000

Square

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



20.0702, 14.0138, 87.2351



30.3047, 14.0138, 3.8865



8.2831, 14.0138, 0.0000



4.2767, 14.0138, 38.9019

Rectangle

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



20.0702, 14.0138, 87.2351



31.7353, 14.0138, 28.1269



8.2831, 14.0138, 0.0000



3.9061, 14.0138, 7.0717

Sweetspot

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



20.0710, 14.0141, 87.2355



58.8420, 61.3781, 103.3536



37.8965, 66.9201, 39.9822



11.7429, 12.1902, 21.9840



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.



20.0710, 14.0141, 87.2355



22.1473, 15.4146, 96.4158



16.8234, 6.7875, 86.0118



16.0872, 16.9387, 20.9642



11.0312, 7.8561, 47.4730



1.0647, 0.8807, 4.2041

Inverse Universe

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



39.1974, 19.9900, 11.6897



43.3081, 22.0873, 12.8206



60.5349, 79.2311, 12.1045



16.7546, 16.5847, 18.4542



21.3725, 10.8924, 6.6701



1.9265, 0.9765, 0.8391

Previews

White Background



This preview shows how the XYZ color 20.0702, 14.0138, 87.2351 looks on a white background.

Color Contrast Check

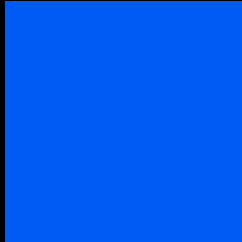
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0702, 14.0138, 87.2351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

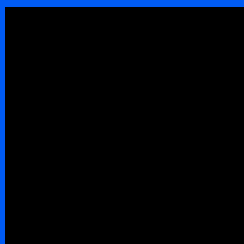
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.0702, 14.0138, 87.2351

Background



This preview shows how black text looks on a background with the XYZ color 20.0702, 14.0138, 87.2351.



This preview shows how white text looks on a background with the XYZ color 20.0702, 14.0138,

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

20.0702, 14.0138, 87.2351

Protanopia

16.4408, 13.8678, 64.0976

Deuteranopia

13.5982, 13.8516, 45.6730



Tritanopia

9.7582, 13.8959, 20.5802

Trichromacy



Original Color

20.0702, 14.0138, 87.2351

Protanomaly

17.7292, 13.9312, 72.2756

Deuteranomaly

15.5528, 13.6670, 58.9450

Tritanomaly

12.1406, 13.2686, 37.9976

Monochromacy



Original Color

20.0702, 14.0138, 87.2351

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.3983, 9.1205, 26.0760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0702, 14.0138, 87.2351 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, 91, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 91, 244)  
}
```

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, 91, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 91, 244) }
```

Border

The CSS property to change the border of an element to XYZ 20.0702, 14.0138, 87.2351 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, 91, 244) }
```


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

```
.border{ border-color:rgb(0, 91, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 91, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 91, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 91, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 91, 244)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.0702, 14.0138, 87.2351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 91, 244) }
```

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

```
.background{ background-color: rgb(0, 91,  
244) }
```

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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