

Converting Colors

XYZ(20.8345, 14.7209, 90.0225)

Have a look what the booklet for
XYZ(20.8345, 14.7209, 90.0225)
contains.

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Color

**XYZ(20.7912, 14.7208,
89.7413)**

Conversions

Conversions Part 1

Format	Color
Hex	005EF7
RGB	0, 94, 247
RGB Percent	0%, 37%, 97%
CMY	0.9997, 0.6314, 0.0314
CMYK	1.00, 0.62, 0.00, 0.03
HSL	217°, 100%, 48%
HSV	217°, 100%, 97%
XYZ	20.7912, 14.7208, 89.7413
YIQ	83.3360, -105.1370, 27.6550

Conversions

Conversions Part 2

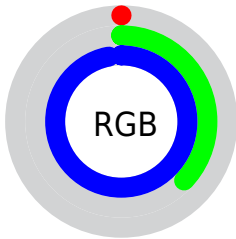
Format	Color
R _Y B	0, 68, 247
Decimal	24311
CIE _{Lab}	45.25, 37.26, -81.91
CIE _{LCh}	45, 89.991, 294.459
Y _{xy}	14.7208, 0.1660, 0.1175
Android (android.graphics.Color)	4278214391 (0xFF005EF7)
YUV	83.3360, 80.6864, -73.0857
Hunter-Lab	38.3677, 29.5845, -111.8208

Details

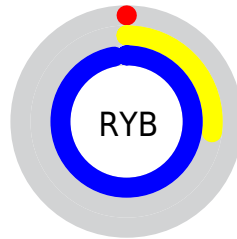
The XYZ color **20.7912, 14.7208, 89.7413** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated blue. A complement of this color would be **49.7614, 42.5805, 5.5982**, and the grayscale version is **8.1510, 8.5754, 9.3387**.

A 20% lighter version of the original color is **34.7054, 30.6113, 98.6871**, and **10.3259, 5.9553, 48.7494** is the 20% darker color. If you saturate the color by 10%, you get **20.7873, 14.7129, 89.7404**, and if you desaturate by 10%, it is **22.6849, 17.9213, 90.2597**.

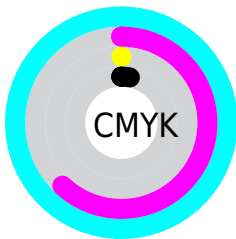
Distribution



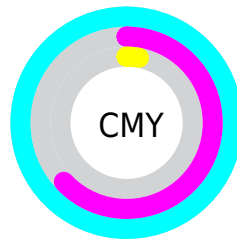
- Red (0%)
- Green (37%)
- Blue (97%)



- Red (0%)
- Yellow (27%)
- Blue (97%)



- Cyan (100%)
- Magenta (62%)
- Yellow (0%)
- Black (3%)




- Cyan (100%)
- Magenta (63%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7912, 14.7208, 89.7413 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 20.7912, 14.7208, 89.7413 by changing the saturation by 10% instead.


 20.7912, 14.7208,
89.7413

 20.7912, 14.7208,
89.7413


248.9195,
221.6700, 547.7373


 13.0831, 8.6237,
67.1936


 44.2337, 34.3626,
148.9114


 7.5632, 4.4965,
48.7794


 60.6987, 48.6761,
186.3708


 3.8662, 1.9550,
34.0801


 80.8134, 66.4972,
229.6379

 1.6267, 0.5811,
22.6773

 104.9432, 88.2102,
279.1312

 0.4097, 0.0000,
14.1524

 133.4533,
114.1996, 335.2693

 0.0000, 0.0000,
8.0868

166.7091,

 0.0000, 0.0000,

144.8498, 398.4706

4.0619

205.0761,
180.5451, 469.1538

■ 0.0000, 0.0000,
1.6594

■ 0.0000, 0.0000,
0.3327

■ 20.7912, 14.7208,
89.7413

■ 20.7912, 14.7208,
89.7413

■ 20.7873, 14.7129,
89.7404

■ 22.6849, 17.9213,
90.2597

■ 25.3621, 21.9483,
90.8959

■ 28.9911, 26.9086,
91.6620

■ 33.6775, 32.8758,
92.5668

■ 39.5115, 39.9140,
93.6178

■ 46.5726, 48.0812,
94.8221

■ 54.9328, 57.4305,
96.1861

■ 64.6581, 68.0115,
97.7158

■ 75.8099, 79.8704,
99.4171

Harmonies

Analogous

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



12.6552, 14.7208, 101.1875



20.7912, 14.7208, 89.7413



29.1617, 14.7208, 53.5944

Triad

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



20.7912, 14.7208, 89.7413



24.0654, 14.7208, 0.3349



4.0358, 14.7208, 12.3886

Complementary

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



20.7912, 14.7208, 89.7413



49.7614, 42.5805, 5.5982

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.



5.2800, 14.7208, 2.0600



20.7912, 14.7208, 89.7413



15.4191, 14.7208, 0.0000

Square

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



20.7912, 14.7208, 89.7413



31.4744, 14.7208, 4.3445



8.8643, 14.7208, 0.0000



4.5909, 14.7208, 39.6849

Rectangle

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



20.7912, 14.7208, 89.7413



32.7990, 14.7208, 29.7045



8.8643, 14.7208, 0.0000



4.2383, 14.7208, 7.3656

Sweetspot

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



20.7921, 14.7211, 89.7417



58.9834, 61.6609, 103.4007



38.9575, 68.8006, 41.0803



11.7759, 12.2563, 21.9950



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.



20.7921, 14.7211, 89.7417



22.3245, 15.7690, 96.4748



17.2926, 6.9764, 88.4313



16.0978, 16.9599, 20.9677



11.1200, 8.0337, 47.5026



1.0732, 0.8979, 4.2070

Inverse Universe

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



40.3791, 20.5839, 12.4343



43.3976, 22.1230, 13.2916



62.2322, 81.4571, 12.4448



16.7599, 16.5868, 18.4824



21.4174, 10.9104, 6.9062



1.9308, 0.9783, 0.8619

Previews

White Background



This preview shows how the XYZ color 20.7912, 14.7208, 89.7413 looks on a white background.

Color Contrast Check

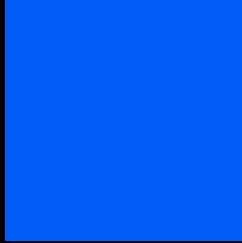
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7912, 14.7208, 89.7413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

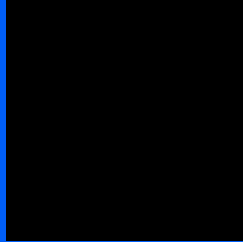
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7912, 14.7208, 89.7413

Background



This preview shows how black text looks on a background with the XYZ color 20.7912, 14.7208, 89.7413.



This preview shows how white text looks on a background with the XYZ color 20.7912, 14.7208,

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

20.7912, 14.7208, 89.7413

Protanopia

17.3746, 14.7102, 67.5693

Deuteranopia

14.3316, 14.4824, 48.4944



Tritanopia

10.1801, 14.4375, 21.6522

Trichromacy



Original Color

20.7912, 14.7208, 89.7413

Protanomaly

18.5608, 14.7158, 75.2610

Deuteranomaly

16.3355, 14.4547, 61.6036

Tritanomaly

12.6301, 13.8019, 39.5345

Monochromacy



Original Color

20.7912, 14.7208, 89.7413

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.8343, 9.5564, 27.3129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7912, 14.7208, 89.7413 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 94, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 94, 247) }
```

Border

The CSS property to change the border of an element to XYZ 20.7912, 14.7208, 89.7413 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, 247) }
```


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

```
.border{ border-color:rgb(0, 94, 247) }
```

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, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 94, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 94, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 94, 247)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.7912, 14.7208, 89.7413 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, 247) }
```

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

```
.background{ background-color: rgb(0, 94,  
247) }
```

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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