

Converting Colors

XYZ(20.4930, 12.7587, 93.8524)

Have a look what the booklet for
XYZ(20.4930, 12.7587, 93.8524)
contains.

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Color

**XYZ(20.4393, 12.7656,
93.4822)**

Conversions

Conversions Part 1

Format	Color
Hex	0050FC
RGB	0, 80, 252
RGB Percent	0%, 31%, 99%
CMY	0.9997, 0.6863, 0.0118
CMYK	1.00, 0.68, 0.00, 0.01
HSL	221°, 100%, 49%
HSV	221°, 100%, 99%
XYZ	20.4393, 12.7656, 93.4822
YIQ	75.6880, -102.8920, 36.5320

Conversions

Conversions Part 2

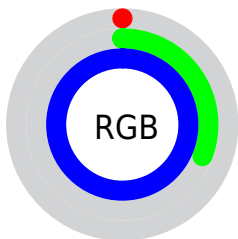
Format	Color
R _Y B	0, 61, 252
Decimal	20732
CIE Lab	42.41, 47.80, -89.38
CIE LCh	42, 101.362, 298.136
Yxy	12.7656, 0.1613, 0.1008
Android (android.graphics.Color)	4278210812 (0xFF0050FC)
YUV	75.6880, 86.9218, -66.3784
Hunter-Lab	35.7290, 39.5879, -130.1176

Details

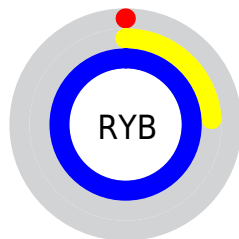
The XYZ color **20.4393, 12.7656, 93.4822** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **54.9115, 50.2279, 6.8028**, and the grayscale version is **6.6768, 7.0246, 7.6497**.

A 20% lighter version of the original color is **32.9705, 26.5654, 97.9976**, and **10.3685, 5.1568, 51.4878** is the 20% darker color. If you saturate the color by 10%, you get **20.4358, 12.7585, 93.4814**, and if you desaturate by 10%, it is **22.2718, 15.8254, 93.9766**.

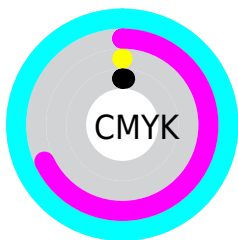
Distribution



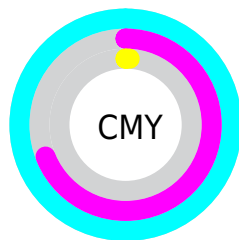
- Red (0%)
- Green (31%)
- Blue (99%)



- Red (0%)
- Yellow (24%)
- Blue (99%)



- Cyan (100%)
- Magenta (68%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (69%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4393, 12.7656, 93.4822 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 20.4393, 12.7656, 93.4822 by changing the saturation by 10% instead.


 20.4393, 12.7656,
93.4822


 20.4393, 12.7656,
93.4822


247.0720,
209.4099, 560.1541


 12.8249, 7.2673,
70.2825


 43.6508, 30.8820,
154.1435


 7.3842, 3.6298,
51.2786


 59.9787, 44.2690,
192.4422


 3.7520, 1.4687,
36.0521


 79.9417, 61.0543,
236.6109

 1.5628, 0.2666,
24.1844

 103.9052, 81.6223,
287.0682

 0.3680, 0.0000,
15.2570

 132.2347,
106.3575, 344.2326

 0.0000, 0.0000,
8.8514

165.2954,

 0.0000, 0.0000,

135.6443, 408.5227

4.5489

203.4527,
169.8669, 480.3571

■ 0.0000, 0.0000,
1.9310

■ 0.0000, 0.0000,
0.5124

■ 20.4393, 12.7656,
93.4822

■ 20.4393, 12.7656,
93.4822

■ 20.4358, 12.7585,
93.4814

■ 22.2718, 15.8254,
93.9766

■ 24.9728, 19.8453,
94.6102

■ 28.7239, 24.9490,
95.3976

■ 33.6416, 31.2248,
96.3498

■ 39.8255, 38.7499,
97.4763

■ 47.3638, 47.5944,
98.7862

■ 56.3362, 57.8225,
100.2875

■ 66.8160, 69.4938,
101.9880

■ 78.8714, 82.6645,
103.8948

Harmonies

Analogous

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



11.6628, 12.7656, 112.2011



20.4393, 12.7656, 93.4822



29.3211, 12.7656, 49.9150

Triad

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



20.4393, 12.7656, 93.4822



21.6307, 12.7656, 0.0000



2.5894, 12.7656, 12.5785

Complementary

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



20.4393, 12.7656, 93.4822



54.9115, 50.2279, 6.8028

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.



3.4576, 12.7656, 1.4306



20.4393, 12.7656, 93.4822



12.6163, 12.7656, 0.0000

Square

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



20.4393, 12.7656, 93.4822



30.1880, 12.7656, 2.0154



6.4515, 12.7656, 0.0000



3.2552, 12.7656, 44.5724

Rectangle

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



20.4393, 12.7656, 93.4822



32.8686, 12.7656, 24.4373



6.4515, 12.7656, 0.0000



2.7000, 12.7656, 6.9331

Sweetspot

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



20.4401, 12.7658, 93.4826



57.8269, 59.3479, 103.0152



41.8815, 72.4496, 48.8340



11.5061, 11.7168, 21.9051



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.



20.4401, 12.7658, 93.4826



20.9852, 13.0904, 96.0284



18.5287, 7.5233, 92.5714



16.7324, 17.5417, 21.8893



10.7617, 6.8790, 48.7341



1.0877, 0.8191, 4.5439

Inverse Universe

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



41.5937, 21.2762, 9.5035



42.7216, 21.8526, 9.7318



61.3927, 83.3247, 12.8495



17.4715, 17.3160, 19.0726



21.7240, 11.1053, 5.2553



2.0579, 1.0469, 0.7285

Previews

White Background



This preview shows how the XYZ color 20.4393, 12.7656, 93.4822 looks on a white background.

Color Contrast Check

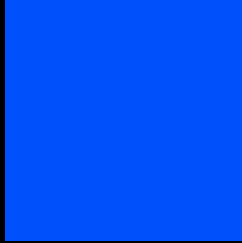
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4393, 12.7656, 93.4822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

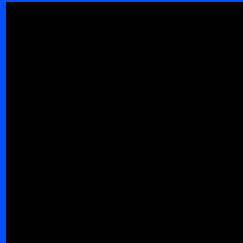
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.4393, 12.7656, 93.4822

Background



This preview shows how black text looks on a background with the XYZ color 20.4393, 12.7656, 93.4822.



This preview shows how white text looks on a background with the XYZ color 20.4393, 12.7656,

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

20.4393, 12.7656, 93.4822

Protanopia

14.8435, 12.6300, 57.5326

Deuteranopia

12.1978, 12.4813, 40.7960



Tritanopia

8.7283, 12.4128, 18.4589

Trichromacy



Original Color

20.4393, 12.7656, 93.4822

Protanomaly

16.5744, 12.4796, 69.2454

Deuteranomaly

14.5453, 12.2225, 56.8509

Tritanomaly

11.2534, 11.6403, 37.2510

Monochromacy



Original Color

20.4393, 12.7656, 93.4822

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

8.6064, 7.8296, 25.8686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4393, 12.7656, 93.4822 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, 80, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 80, 252)  
}
```

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, 80, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 80, 252) }
```

Border

The CSS property to change the border of an element to XYZ 20.4393, 12.7656, 93.4822 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, 80, 252) }
```


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

```
.border{ border-color:rgb(0, 80, 252) }
```

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

Here you see how a box with a 4 pixel rgb(0, 80, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 80, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 80, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 80, 252)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.4393, 12.7656, 93.4822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 80, 252) }
```

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

```
.background{ background-color: rgb(0, 80,  
252) }
```

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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