

Converting Colors

XYZ(20.5149, 12.1497, 95.8716)

Have a look what the booklet for
XYZ(20.5149, 12.1497, 95.8716)
contains.

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Color

**XYZ(20.4988, 12.1176,
95.8663)**

Conversions

Conversions Part 1

Format	Color
Hex	004AFF
RGB	0, 74, 255
RGB Percent	0%, 29%, 100%
CMY	0.9997, 0.7098, 0.0000
CMYK	1.00, 0.71, 0.00, 0.00
HSL	223°, 100%, 50%
HSV	223°, 100%, 100%
XYZ	20.4988, 12.1176, 95.8663
YIQ	72.5080, -102.2050, 40.6030

Conversions

Conversions Part 2

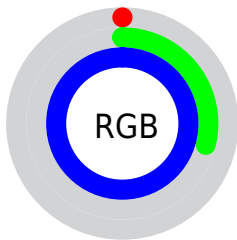
Format	Color
RYB	0, 57, 255
Decimal	19199
CIELab	41.40, 52.42, -92.72
CIELCh	41, 106.514, 299.483
Yxy	12.1176, 0.1595, 0.0943
Android (android.graphics.Color)	4278209279 (0xFF004AFF)
YUV	72.5080, 89.9686, -63.5895
Hunter-Lab	34.8103, 44.1954, -138.9151

Details

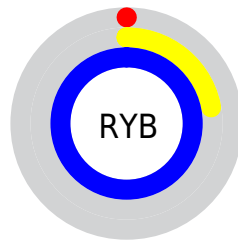
The XYZ color **20.4988, 12.1176, 95.8663** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark saturated blue. A complement of this color would be **57.7802, 54.3397, 7.4454**, and the grayscale version is **6.1135, 6.4318, 7.0043**.

A 20% lighter version of the original color is **32.3354, 25.0989, 97.7481**, and **10.5423, 4.9598, 53.2250** is the 20% darker color. If you saturate the color by 10%, you get **20.4950, 12.1101, 95.8650**, and if you desaturate by 10%, it is **22.3013, 15.1062, 96.3481**.

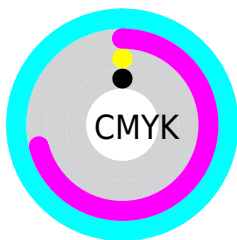
Distribution



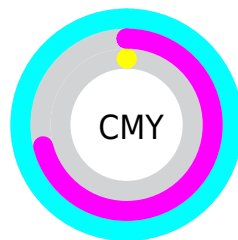
- Red (0%)
- Green (29%)
- Blue (100%)



- Red (0%)
- Yellow (22%)
- Blue (100%)



- Cyan (100%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4988, 12.1176, 95.8663 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 20.4988, 12.1176, 95.8663 by changing the saturation by 10% instead.

■ 20.4988, 12.1176,
95.8663

■ 20.4988, 12.1176,
95.8663

247.3852,
205.1823, 567.9897

■ 12.8685, 6.8238,
72.2553

■ 43.7495, 29.7091,
157.4667

■ 7.4144, 3.3522,
52.8792

■ 60.1006, 42.7756,
196.2933

■ 3.7712, 1.3182,
37.3193

■ 80.0893, 59.2018,
241.0288

■ 1.5735, 0.1553,
25.1571

■ 104.0811, 79.3722,
292.0919

■ 0.3751, 0.0000,
15.9740

■ 132.4412,
103.6710, 349.9009

■ 0.0000, 0.0000,
9.3516

165.5350,

■ 0.0000, 0.0000,

132.4827, 414.8745

4.8713

203.7279,
166.1916, 487.4313

■ 0.0000, 0.0000,
2.1145

■ 0.0000, 0.0000,
0.6244

■ 20.4988, 12.1176,
95.8663

■ 20.4988, 12.1176,
95.8663

■ 20.4950, 12.1101,
95.8650

■ 22.3013, 15.1062,
96.3481

■ 25.0175, 19.1227,
96.9802

■ 28.8367, 24.3007,
97.7784

■ 33.8818, 30.7367,
98.7548

■ 40.2581, 38.5158,
99.9202

■ 48.0587, 47.7147,
101.2846

■ 57.3679, 58.4040,
102.8572

■ 68.2631, 70.6490,
104.6465

■ 80.8163, 84.5112,
106.6606

Harmonies

Analogous

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



11.3838, 12.1176, 118.0790



20.4988, 12.1176, 95.8663



29.6711, 12.1176, 48.8002

Triad

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



20.4988, 12.1176, 95.8663



20.8418, 12.1176, 0.0000



2.1276, 12.1176, 12.8136

Complementary

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



20.4988, 12.1176, 95.8663



57.7802, 54.3397, 7.4454

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.



2.8681, 12.1176, 1.2306



20.4988, 12.1176, 95.8663



11.6520, 12.1176, 0.0000

Square

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



20.4988, 12.1176, 95.8663



29.9239, 12.1176, 1.3726



5.6382, 12.1176, 0.0000



2.8154, 12.1176, 47.2264

Rectangle

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



20.4988, 12.1176, 95.8663



33.2052, 12.1176, 22.5965



5.6382, 12.1176, 0.0000



2.2095, 12.1176, 6.8461

Sweetspot

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



20.4996, 12.1177, 95.8662



57.3379, 58.3699, 102.8522



43.8494, 74.7559, 54.5134



11.3925, 11.4895, 21.8672



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.



20.4996, 12.1177, 95.8662



20.4950, 12.1101, 95.8650



19.4191, 7.9270, 95.1143



17.4321, 18.2357, 22.8510



10.8196, 6.5487, 50.1284



1.1426, 0.8159, 4.9105

Inverse Universe

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



42.4768, 21.7560, 8.4387



42.4741, 21.7537, 8.4289



60.6664, 84.3597, 13.0878



18.2260, 18.0737, 19.8072



22.2494, 11.3891, 4.6979



2.2113, 1.1269, 0.6943

Previews

White Background



This preview shows how the XYZ color 20.4988, 12.1176, 95.8663 looks on a white background.

Color Contrast Check

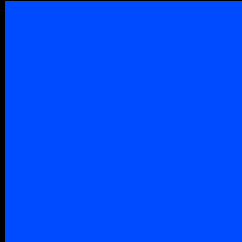
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4988, 12.1176, 95.8663 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 20.4988, 12.1176, 95.8663

Background



This preview shows how black text looks on a background with the XYZ color 20.4988, 12.1176, 95.8663.



This preview shows how white text looks on a background with the XYZ color 20.4988, 12.1176,

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

20.4988, 12.1176, 95.8663

Protanopia

13.9924, 11.8599, 54.3750

Deuteranopia

11.5322, 11.9044, 38.2492



Tritanopia

8.3432, 11.9174, 17.4833

Trichromacy



Original Color

20.4988, 12.1176, 95.8663

Protanomaly

15.9827, 11.7175, 67.7490

Deuteranomaly

14.0499, 11.6057, 55.5324

Tritanomaly

10.9744, 11.0824, 37.1580

Monochromacy



Original Color

20.4988, 12.1176, 95.8663

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

8.1695, 7.2100, 25.3872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4988, 12.1176, 95.8663 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, 74, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 74, 255)  
}
```

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, 74, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 74, 255) }
```

Border

The CSS property to change the border of an element to XYZ 20.4988, 12.1176, 95.8663 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, 74, 255) }
```


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

```
.border{ border-color:rgb(0, 74, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 74, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 74, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 74, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 74, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.4988, 12.1176, 95.8663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 74, 255) }
```

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

```
.background{ background-color: rgb(0, 74,  
255) }
```

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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