

Converting Colors

XYZ(21.6868, 12.4669, 95.8711)

Have a look what the booklet for
XYZ(21.6868, 12.4669, 95.8711)
contains.

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Color

**XYZ(21.6685, 12.4303,
95.8650)**

Conversions

Conversions Part 1

Format	Color
Hex	3347FF
RGB	51, 71, 255
RGB Percent	20%, 28%, 100%
CMY	0.7999, 0.7216, 0.0000
CMYK	0.80, 0.72, 0.00, 0.00
HSL	234°, 100%, 60%
HSV	234°, 80%, 100%
XYZ	21.6685, 12.4303, 95.8650
YIQ	85.9960, -70.9840, 52.9840

Conversions

Conversions Part 2

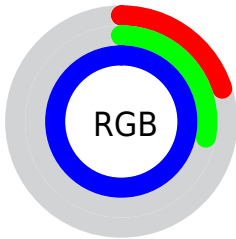
Format	Color
R _Y B	51, 69, 255
Decimal	3360767
CIE Lab	41.89, 55.91, -91.87
CIE LCh	42, 107.550, 301.323
Yxy	12.4303, 0.1667, 0.0956
Android (android.graphics.Color)	4281550847 (0xFF3347FF)
YUV	85.9960, 83.3190, -30.6915
Hunter-Lab	35.2566, 48.0059, -136.5336

Details

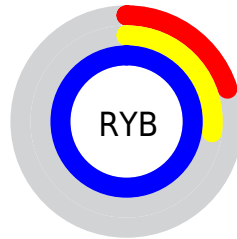
The XYZ color **21.6685, 12.4303, 95.8650** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **71.5525, 80.9282, 14.9836**, and the grayscale version is **8.6857, 9.1380, 9.9513**.

A 20% lighter version of the original color is **34.4031, 25.8003, 97.7745**, and **10.4257, 4.7265, 53.1861** is the 20% darker color. If you saturate the color by 10%, you get **19.5206, 9.5468, 95.4216**, and if you desaturate by 10%, it is **25.0746, 16.7832, 96.5257**.

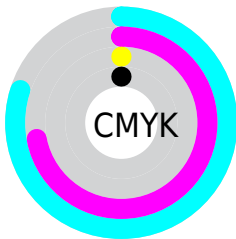
Distribution



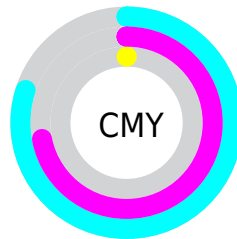
- Red (20%)
- Green (28%)
- Blue (100%)



- Red (20%)
- Yellow (27%)
- Blue (100%)



- Cyan (80%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6685, 12.4303, 95.8650 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 21.6685, 12.4303, 95.8650 by changing the saturation by 10% instead.

■ 21.6685, 12.4303,
95.8650

■ 21.6685, 12.4303,
95.8650

253.4752,
207.2335, 567.9854

■ 13.7288, 7.0374,
72.2543

■ 45.6804, 30.2764,
157.4649

■ 8.0127, 3.4855,
52.8783

■ 62.4833, 43.4985,
196.2912

■ 4.1549, 1.3902,
37.3186

■ 82.9713, 60.0990,
241.0264

■ 1.7902, 0.2095,
25.1565

■ 107.5098, 80.4625,
292.0891

■ 0.5117, 0.0000,
15.9736

■ 136.4640,
104.9733, 349.8978

■ 0.0000, 0.0000,
9.3513

170.1995,

■ 0.0000, 0.0000,

134.0158, 414.8711

4.8711

209.0814,
167.9744, 487.4274

■ 0.0000, 0.0000,
2.1144

■ 0.0000, 0.0000,
0.6243

■ 21.6685, 12.4303,
95.8650

■ 21.6685, 12.4303,
95.8650

■ 19.5206, 9.5468,
95.4216

■ 25.0746, 16.7832,
96.5257

■ 18.3977, 7.9151,
95.1658

■ 29.8932, 22.7690,
97.4271

■ 18.3971, 7.9142,
95.1657

■ 36.2587, 30.5296,
98.5895

■ 44.2889, 40.1911,
100.0311

■ 54.0904, 51.8684,
101.7685

■ 65.7605, 65.6670,
103.8168

■ 79.3897, 81.6850,
106.1902

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



12.1708, 12.4303, 121.3081



21.6685, 12.4303, 95.8650



30.9240, 12.4303, 47.2561

Triad

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



21.6685, 12.4303, 95.8650



20.7661, 12.4303, 0.0000



2.1778, 12.4303, 14.5698

Complementary

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



21.6685, 12.4303, 95.8650



71.5525, 80.9282, 14.9836

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.



2.8412, 12.4303, 1.5244



21.6685, 12.4303, 95.8650



11.4655, 12.4303, 0.0000

Square

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



21.6685, 12.4303, 95.8650



30.2590, 12.4303, 1.1517



5.5195, 12.4303, 0.0000



2.9798, 12.4303, 51.3975

Rectangle

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



21.6685, 12.4303, 95.8650



34.2643, 12.4303, 21.2662



5.5195, 12.4303, 0.0000



2.2336, 12.4303, 7.9488

Sweetspot

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



21.6693, 12.4304, 95.8650



60.8535, 59.8761, 102.9577



52.0641, 78.1995, 90.6460



12.1469, 11.7769, 21.8829



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.



21.6693, 12.4304, 95.8650



18.7548, 8.4400, 95.2483



28.8463, 14.5443, 95.8947



17.1461, 17.6638, 22.7557



9.6599, 4.2293, 49.7418



0.9861, 0.5029, 4.8584

Inverse Universe

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



43.5619, 24.0842, 8.3136



41.6420, 21.5979, 3.5008



53.6818, 80.6900, 15.8796



18.0816, 18.0160, 19.0470



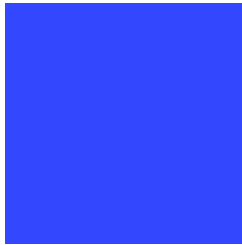
21.6641, 11.1549, 1.6154



2.1323, 1.0953, 0.2783

Previews

White Background



This preview shows how the XYZ color 21.6685, 12.4303, 95.8650 looks on a white background.

Color Contrast Check

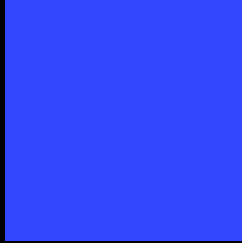
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6685, 12.4303, 95.8650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

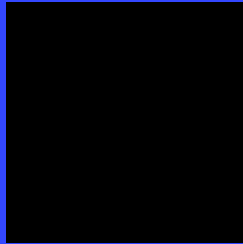
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.6685, 12.4303, 95.8650

Background



This preview shows how black text looks on a background with the XYZ color 21.6685, 12.4303, 95.8650.



This preview shows how white text looks on a background with the XYZ color 21.6685, 12.4303,

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

21.6685, 12.4303, 95.8650

Protanopia

14.1957, 12.0826, 55.0101

Deuteranopia

11.8151, 12.1719, 39.2628



Tritanopia

8.5632, 12.1751, 18.1184

Trichromacy



Original Color

21.6685, 12.4303, 95.8650

Protanomaly

16.3825, 11.9085, 68.4529

Deuteranomaly

14.3500, 11.6209, 56.1303

Tritanomaly

11.2437, 11.0760, 37.6217

Monochromacy



Original Color

21.6685, 12.4303, 95.8650

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

10.9565, 9.4079, 28.8422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6685, 12.4303, 95.8650 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(51, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 71, 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(51, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 71, 255) }
```

Border

The CSS property to change the border of an element to XYZ 21.6685, 12.4303, 95.8650 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(51, 71, 255) }
```


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

```
.border{ border-color:rgb(51, 71, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 71, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 71, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 71, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 71,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6685, 12.4303, 95.8650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 71, 255) }
```

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

```
.background{ background-color: rgb(51, 71,  
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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