

Converting Colors

XYZ(20.3105, 11.4186, 86.7052)

Have a look what the booklet for
XYZ(20.3105, 11.4186, 86.7052)
contains.

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Color

**XYZ(20.2693, 11.3690,
86.7141)**

Conversions

Conversions Part 1

Format	Color
Hex	3F41F4
RGB	63, 65, 244
RGB Percent	25%, 25%, 96%
CMY	0.7529, 0.7451, 0.0431
CMYK	0.74, 0.73, 0.00, 0.04
HSL	239°, 89%, 60%
HSV	239°, 74%, 96%
XYZ	20.2693, 11.3690, 86.7141
YIQ	84.8080, -58.6510, 55.2450

Conversions

Conversions Part 2

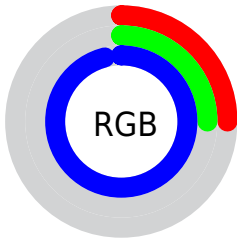
Format	Color
R _Y B	63, 65, 244
Decimal	4145652
CIE Lab	40.20, 56.50, -88.50
CIE LCh	40, 104.996, 302.558
Yxy	11.3690, 0.1713, 0.0961
Android (android.graphics.Color)	4282335732 (0xFF3F41F4)
YUV	84.8080, 78.4817, -19.1256
Hunter-Lab	33.7179, 48.2976, -128.8764

Details

The XYZ color **20.2693, 11.3690, 86.7141** 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 **69.9627, 83.1057, 17.0581**, and the grayscale version is **8.4458, 8.8856, 9.6765**.

A 20% lighter version of the original color is **34.4973, 24.7998, 97.5764**, and **9.0634, 3.9461, 46.7383** is the 20% darker color. If you saturate the color by 10%, you get **17.9396, 8.5321, 86.2897**, and if you desaturate by 10%, it is **23.8815, 15.7443, 87.3686**.

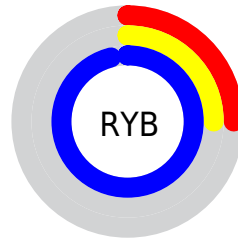
Distribution



Red (25%)

Green (25%)

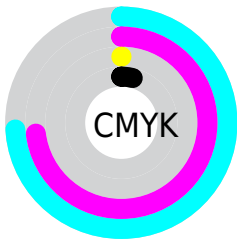
Blue (96%)



Red (25%)

Yellow (25%)

Blue (96%)

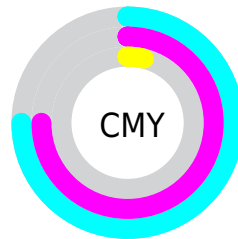


Cyan (74%)

Magenta (73%)

Yellow (0%)

Black (4%)



Cyan (75%)

Magenta (75%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2693, 11.3690, 86.7141 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 20.2693, 11.3690, 86.7141 by changing the saturation by 10% instead.

■ 20.2693, 11.3690,
86.7141

■ 20.2693, 11.3690,
86.7141

246.1752,
200.1819, 537.5747

■ 12.7004, 6.3156,
64.7004

■ 43.3687, 28.3405,
144.6609

■ 7.2981, 3.0379,
46.7684

■ 59.6299, 41.0274,
181.4311

■ 3.6972, 1.1516,
32.4995

■ 79.5192, 57.0276,
223.9572

■ 1.5323, 0.0216,
21.4754

■ 103.4020, 76.7255,
272.6576

■ 0.3477, 0.0000,
13.2773

■ 131.6437,
100.5055, 327.9511

■ 0.0000, 0.0000,
7.4868

164.6095,

■ 0.0000, 0.0000,

128.7520, 390.2561

3.6853

202.6649,
161.8493, 459.9911

■ 0.0000, 0.0000,
1.4544

■ 0.0000, 0.0000,
0.1836

■ 20.2693, 11.3690,
86.7141

■ 20.2693, 11.3690,
86.7141

■ 17.9396, 8.5321,
86.2897

■ 23.8815, 15.7443,
87.3686

■ 16.7100, 7.0194,
86.0625

■ 28.9220, 21.8331,
88.2782

■ 16.3583, 6.5898,
85.9981

■ 35.5191, 29.7876,
89.4659

■ 43.7865, 39.7430,
90.9517

■ 53.8272, 51.8222,
92.7540

■ 65.7360, 66.1380,
94.8896

■ 79.6009, 82.7953,
97.3740

■ 93.3292, 99.3117,
99.8384

Harmonies

Analogous

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



11.4452, 11.3690, 111.8160



20.2693, 11.3690, 86.7141



28.6897, 11.3690, 41.7306

Triad

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



20.2693, 11.3690, 86.7141



18.6618, 11.3690, 0.0000



1.9693, 11.3690, 14.2630

Complementary

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



20.2693, 11.3690, 86.7141



69.9627, 83.1057, 17.0581

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.



2.5172, 11.3690, 1.5527



20.2693, 11.3690, 86.7141



10.1909, 11.3690, 0.0000

Square

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



20.2693, 11.3690, 86.7141



27.5040, 11.3690, 0.8948



4.8706, 11.3690, 0.0000



2.7622, 11.3690, 49.1220

Rectangle

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



20.2693, 11.3690, 86.7141



31.5869, 11.3690, 18.3577



4.8706, 11.3690, 0.0000



2.0030, 11.3690, 7.8636

Sweetspot

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



20.2701, 11.3692, 86.7145



62.1188, 60.4328, 102.9984



50.2763, 72.1088, 94.4751



12.5820, 12.0765, 21.9178



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.



20.2701, 11.3692, 86.7145



19.0083, 8.4236, 95.2318



30.7755, 16.6187, 87.1740



15.5958, 15.9558, 20.8004



8.9010, 3.5959, 46.7630



0.7873, 0.3261, 4.1117

Inverse Universe

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



40.0407, 23.1712, 7.3628



41.8977, 22.1894, 3.3394



47.0601, 72.1809, 16.1565



16.5065, 16.4855, 17.1480



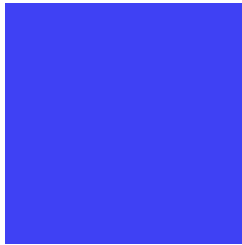
20.2973, 10.4624, 1.0083



1.7865, 0.9206, 0.1020

Previews

White Background



This preview shows how the XYZ color 20.2693, 11.3690, 86.7141 looks on a white background.

Color Contrast Check

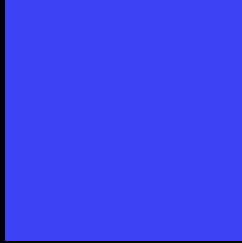
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2693, 11.3690, 86.7141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

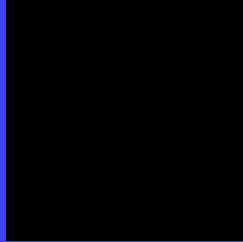
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.2693, 11.3690, 86.7141

Background



This preview shows how black text looks on a background with the XYZ color 20.2693, 11.3690, 86.7141.



This preview shows how white text looks on a background with the XYZ color 20.2693, 11.3690,

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

20.2693, 11.3690, 86.7141

Protanopia

13.0601, 11.0739, 50.7394

Deuteranopia

10.7963, 11.1580, 35.7671

Trichromacy



Original Color

20.2693, 11.3690, 86.7141

Protanomaly

14.9286, 10.7202, 62.2551

Deuteranomaly

13.1163, 10.4849, 51.2017

Monochromacy



Original Color

20.2693, 11.3690, 86.7141

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

10.7429, 9.0097, 27.1594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2693, 11.3690, 86.7141 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(63, 65, 244)` looks like.

```
.text, #text, p{  
    color:rgb(63, 65, 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(63, 65, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 65, 244) }
```

Border

The CSS property to change the border of an element to XYZ 20.2693, 11.3690, 86.7141 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(63, 65, 244) }
```

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

```
.border{ border-color:rgb(63, 65, 244) }
```

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

Here you see how a box with a 4 pixel rgb(63, 65, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 65, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 65, 244);  
box-shadow:4px 4px 4px 4px rgb(63, 65,  
244) }
```


Background

The CSS property to change the background color of an element to XYZ 20.2693, 11.3690, 86.7141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 65, 244) }
```

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

```
.background{ background-color: rgb(63, 65,  
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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