

Converting Colors

XYZ(20.2678, 13.4580, 83.0192)

Have a look what the booklet for
XYZ(20.2678, 13.4580, 83.0192)
contains.

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Color

**XYZ(20.2967, 13.4859,
83.1946)**

Conversions

Conversions Part 1

Format	Color
Hex	3555EF
RGB	53, 85, 239
RGB Percent	21%, 33%, 94%
CMY	0.7921, 0.6667, 0.0627
CMYK	0.78, 0.64, 0.00, 0.06
HSL	230°, 85%, 57%
HSV	230°, 78%, 94%
XYZ	20.2967, 13.4859, 83.1946
YIQ	92.9880, -68.5060, 41.1100

Conversions

Conversions Part 2

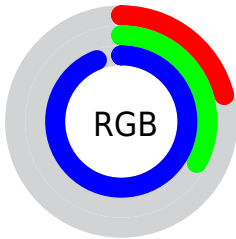
Format	Color
R_{YB}	53, 80, 239
Decimal	3495407
CIE _{Lab}	43.49, 42.45, -80.28
CIE _{LCh}	43, 90.812, 297.870
Yxy	13.4859, 0.1735, 0.1153
Android (android.graphics.Color)	4281685487 (0xFF3555EF)
YUV	92.9880, 71.9839, -35.0695
Hunter-Lab	36.7232, 34.3905, -108.6125

Details

The XYZ color **20.2967, 13.4859, 83.1946** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **58.5567, 63.2419, 12.4907**, and the grayscale version is **10.2520, 10.7859, 11.7458**.

A 20% lighter version of the original color is **35.6161, 29.1371, 98.3546**, and **9.2023, 4.8950, 44.7158** is the 20% darker color. If you saturate the color by 10%, you get **17.9923, 10.2996, 82.7014**, and if you desaturate by 10%, it is **23.6639, 17.8665, 83.8631**.

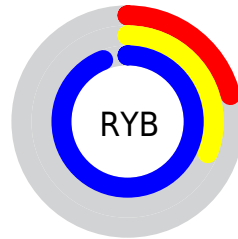
Distribution



Red (21%)

Green (33%)

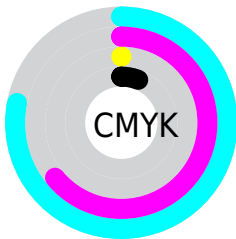
Blue (94%)



Red (21%)

Yellow (31%)

Blue (94%)

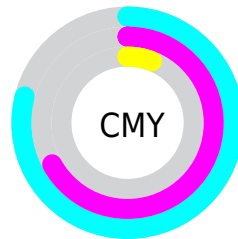


Cyan (78%)

Magenta (64%)

Yellow (0%)

Black (6%)



Cyan (79%)

Magenta (67%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2967, 13.4859, 83.1946 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 20.2967, 13.4859, 83.1946 by changing the saturation by 10% instead.

■ 20.2967, 13.4859,
83.1946

■ 20.2967, 13.4859,
83.1946

246.3199,
214.0087, 525.6228

■ 12.7204, 7.7640,
61.8092

■ 43.4142, 32.1740,
139.6996

■ 7.3120, 3.9443,
44.4437

■ 59.6862, 45.9090,
175.6563

■ 3.7060, 1.6425,
30.6797

■ 79.5874, 63.0838,
217.3072

■ 1.5372, 0.3860,
20.0987

■ 103.4832, 84.0828,
265.0707

■ 0.3509, 0.0000,
12.2820

■ 131.7390,
109.2904, 319.3655

■ 0.0000, 0.0000,
6.8112

164.7202,

■ 0.0000, 0.0000,

139.0910, 380.6101

3.2676

202.7920,
173.8689, 449.2230

■ 0.0000, 0.0000,
1.2329

■ 0.0000, 0.0000,
0.0058

■ 20.2967, 13.4859,
83.1946

■ 20.2967, 13.4859,
83.1946

■ 17.9923, 10.2996,
82.7014

■ 23.6639, 17.8665,
83.8631

■ 16.5998, 8.1746,
82.3647

■ 28.2067, 23.5490,
84.7205

■ 16.3765, 7.8248,
82.3089

■ 34.0253, 30.6291,
85.7804

■ 41.2085, 39.1934,
87.0549

■ 49.8367, 49.3210,
88.5549

■ 59.9843, 61.0855,
90.2909

■ 71.7203, 74.5556,
92.2723

■ 85.1095, 89.7962,
94.5084

■ 92.5801, 99.0120,
95.8934

Harmonies

Analogous

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



12.3184, 13.4859, 98.3211



20.2967, 13.4859, 83.1946



28.1563, 13.4859, 46.7301

Triad

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



20.2967, 13.4859, 83.1946



21.5113, 13.4859, 0.0000



3.4567, 13.4859, 13.2813

Complementary

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



20.2967, 13.4859, 83.1946



58.5567, 63.2419, 12.4907

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.



4.3979, 13.4859, 2.1749



20.2967, 13.4859, 83.1946



13.3308, 13.4859, 0.0000

Square

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



20.2967, 13.4859, 83.1946



29.0204, 13.4859, 2.9562



7.4473, 13.4859, 0.0000



4.1545, 13.4859, 41.5052

Rectangle

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



20.2967, 13.4859, 83.1946



31.2758, 13.4859, 24.4994



7.4473, 13.4859, 0.0000



3.5812, 13.4859, 7.9181

Sweetspot

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



20.2975, 13.4862, 83.1950



63.0825, 63.3555, 103.5118



43.3434, 66.8937, 68.3237



12.6191, 12.5344, 22.0042



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.



20.2975, 13.4862, 83.1950



19.8418, 10.4374, 95.5766



23.5246, 12.2186, 82.7802



15.1170, 15.6680, 19.9491



9.1149, 4.4541, 45.5072



0.8210, 0.4959, 3.8067

Inverse Universe

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



38.5102, 21.5543, 10.7248



42.2338, 21.9997, 6.1082



50.3565, 71.7064, 14.5567



15.8837, 15.8032, 16.9439



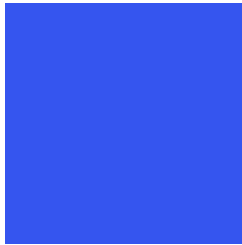
19.9264, 10.2430, 2.2631



1.6893, 0.8648, 0.3549

Previews

White Background



This preview shows how the XYZ color 20.2967, 13.4859, 83.1946 looks on a white background.

Color Contrast Check

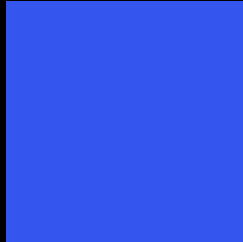
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2967, 13.4859, 83.1946 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 20.2967, 13.4859, 83.1946

Background



This preview shows how black text looks on a background with the XYZ color 20.2967, 13.4859, 83.1946.



This preview shows how white text looks on a background with the XYZ color 20.2967, 13.4859,

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

20.2967, 13.4859, 83.1946

Protanopia

15.7528, 13.2894, 61.4094

Deuteranopia

13.0875, 13.3175, 44.0002



Tritanopia

9.2953, 13.1663, 19.8207

Trichromacy



Original Color

20.2967, 13.4859, 83.1946

Protanomaly

16.9691, 13.0816, 68.6485

Deuteranomaly

15.0616, 13.0439, 56.3675

Tritanomaly

11.7297, 12.4833, 36.4416

Monochromacy



Original Color

20.2967, 13.4859, 83.1946

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.9864, 11.0074, 28.6870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2967, 13.4859, 83.1946 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(53, 85, 239)` looks like.

```
.text, #text, p{  
    color:rgb(53, 85, 239)  
}
```

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(53, 85, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 85, 239) }
```

Border

The CSS property to change the border of an element to XYZ 20.2967, 13.4859, 83.1946 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(53, 85, 239) }
```


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

```
.border{ border-color:rgb(53, 85, 239) }
```

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

Here you see how a box with a 4 pixel rgb(53, 85, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 85, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 85, 239);  
box-shadow:4px 4px 4px 4px rgb(53, 85,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2967, 13.4859, 83.1946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 85, 239) }
```

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

```
.background{ background-color: rgb(53, 85,  
239) }
```

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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