

Converting Colors

XYZ(28.5513, 20.2846, 83.2994)

Have a look what the booklet for
XYZ(28.5513, 20.2846, 83.2994)
contains.

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Color

**XYZ(28.5513, 20.2846,
83.2994)**

Conversions

Conversions Part 1

Format	Color
Hex	7B68EE
RGB	123, 104, 238
RGB Percent	48%, 41%, 93%
CMY	0.5176, 0.5922, 0.0667
CMYK	0.48, 0.56, 0.00, 0.07
HSL	249°, 80%, 67%
HSV	249°, 56%, 93%
XYZ	28.5513, 20.2846, 83.2994
YIQ	124.9570, -31.6900, 45.7020

Conversions

Conversions Part 2

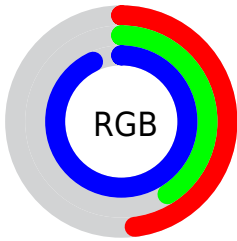
Format	Color
RYB	123, 104, 238
Decimal	8087790
CIELab	52.16, 41.08, -65.41
CIELCh	52, 77.236, 302.132
Yxy	20.2846, 0.2161, 0.1535
Android (android.graphics.Color)	4286277870 (0xFF7B68EE)
YUV	124.9570, 55.7302, -1.7163
Hunter-Lab	45.0384, 34.3396, -78.1310

Details

The XYZ color **28.5513, 20.2846, 83.2994** is a light color, and the websafe version is hex **6666FF**, and the color name is **mediumslateblue**. A complement of this color would be **62.2857, 77.2084, 24.7169**, and the grayscale version is **19.3056, 20.3110, 22.1186**.

A 20% lighter version of the original color is **49.2299, 40.9420, 99.9156**, and **11.6791, 7.1566, 44.4819** is the 20% darker color. If you saturate the color by 10%, you get **23.8616, 14.7987, 82.4881**, and if you desaturate by 10%, it is **34.5282, 27.4376, 84.3655**.

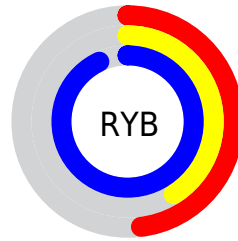
Distribution



Red (48%)

Green (41%)

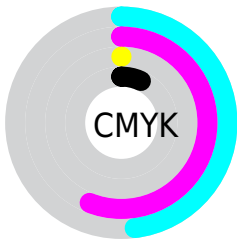
Blue (93%)



Red (48%)

Yellow (41%)

Blue (93%)

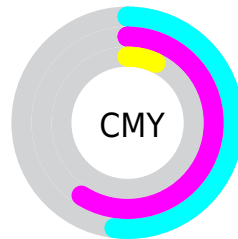


Cyan (48%)

Magenta (56%)

Yellow (0%)

Black (7%)



Cyan (52%)

Magenta (59%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5513, 20.2846, 83.2994 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 28.5513, 20.2846, 83.2994 by changing the saturation by 10% instead.

■ 28.5513, 20.2846,
83.2994

■ 28.5513, 20.2846,
83.2994

287.1245,
253.4517, 525.9809

■ 18.8842, 12.6021,
61.8951

■ 56.7659, 43.8938,
139.8477

■ 11.6902, 7.1551,
44.5127

■ 76.0442, 60.5893,
175.8288

■ 6.6038, 3.5593,
30.7336

■ 99.2569, 81.0579,
217.5059

■ 3.2597, 1.4302,
20.1393

■ 126.7694,
105.6841, 265.2976

■ 1.2925, 0.2388,
12.3113

158.9471,
134.8521, 319.6224

■ 0.1776, 0.0000,
6.8309

196.1552,

■ 0.0000, 0.0000,

168.9465, 380.8989

3.2798

238.7592,
208.3515, 449.5455

■ 0.0000, 0.0000,
1.2392

■ 0.0000, 0.0000,
0.0112

■ 28.5513, 20.2846,
83.2994

■ 28.5513, 20.2846,
83.2994

■ 23.8616, 14.7987,
82.4881

■ 34.5282, 27.4376,
84.3655

■ 20.3596, 10.8413,
81.9089

■ 41.8761, 36.3773,
85.7038

■ 17.9353, 8.2542,
81.5373

■ 50.6750, 47.2143,
87.3318

■ 16.4550, 6.8419,
81.3427

■ 60.9976, 60.0496,
89.2652

■ 16.0843, 6.5090,
81.2980

■ 72.9121, 74.9773,
91.5185

■ 86.4822, 92.0852,
94.1055

■ 92.4327, 98.9531,
95.1175

Harmonies

Analogous

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



19.8512, 20.2846, 100.4473



28.5513, 20.2846, 83.2994



36.0889, 20.2846, 49.3376

Triad

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



28.5513, 20.2846, 83.2994



27.2971, 20.2846, 1.6243



7.7268, 20.2846, 23.7466

Complementary

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



28.5513, 20.2846, 83.2994



62.2857, 77.2084, 24.7169

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.



8.7194, 20.2846, 7.3435



28.5513, 20.2846, 83.2994



18.7197, 20.2846, 0.8910

Square

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



28.5513, 20.2846, 83.2994



35.2365, 20.2846, 6.0774



12.2703, 20.2846, 1.9256



9.0570, 20.2846, 54.2899

Rectangle

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



28.5513, 20.2846, 83.2994



38.6064, 20.2846, 28.6004



12.2703, 20.2846, 1.9256



7.7991, 20.2846, 16.6453

Sweetspot

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



28.5522, 20.2852, 83.2999



70.3592, 69.0065, 104.2190



46.7701, 60.3729, 90.0774



14.5132, 14.0888, 22.2044



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.



28.5522, 20.2852, 83.2999



27.0040, 16.2704, 96.3250



41.3365, 26.8758, 83.8982



15.1058, 15.3362, 19.8856



9.0368, 3.6641, 45.3588



0.8159, 0.3378, 3.7764

Inverse Universe

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



52.9962, 33.1923, 70.6287



58.5675, 32.9705, 78.4405



46.2356, 68.9343, 23.9657



16.3522, 15.9906, 19.4110



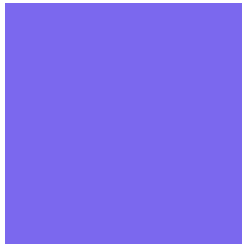
25.8053, 12.5945, 33.2209



2.1730, 1.0582, 2.9016

Previews

White Background



This preview shows how the XYZ color 28.5513, 20.2846, 83.2994 looks on a white background.

Color Contrast Check

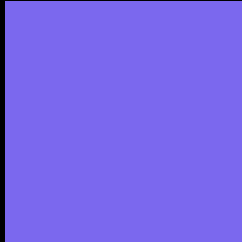
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.5513, 20.2846, 83.2994 looks on a black 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

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

XYZ 28.5513, 20.2846, 83.2994

Background



This preview shows how black text looks on a background with the XYZ color 28.5513, 20.2846, 83.2994.



This preview shows how white text looks on a background with the XYZ color 28.5513, 20.2846,

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

28.5513, 20.2846, 83.2994

Protanopia

24.4862, 20.3494, 96.4032

Deuteranopia

20.7742, 20.4527, 71.9601



Tritanopia

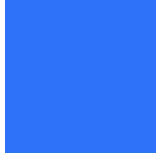
17.4356, 20.2916, 27.8087

Trichromacy



Original Color

28.5513, 20.2846, 83.2994



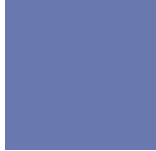
Protanomaly

24.0428, 19.3698, 91.2785



Deuteranomaly

21.6826, 19.3530, 75.9915



Tritanomaly

20.4995, 19.8126, 43.8181

Monochromacy



Original Color

28.5513, 20.2846, 83.2994



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

21.5564, 19.7608, 38.7545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5513, 20.2846, 83.2994 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(123, 104, 238)` looks like.

```
.text, #text, p{  
    color:rgb(123, 104, 238)  
}
```

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(123, 104, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 104, 238) }
```

Border

The CSS property to change the border of an element to XYZ 28.5513, 20.2846, 83.2994 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(123, 104, 238) }
```


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

```
.border{ border-color:rgb(123, 104, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 104, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 104, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 104, 238);  
box-shadow:4px 4px 4px 4px rgb(123, 104,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5513, 20.2846, 83.2994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 104, 238) }
```

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

```
.background{ background-color: rgb(123,  
104, 238) }
```

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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