

Converting Colors

XYZ(28.7088, 20.8977, 97.1283)

Have a look what the booklet for
XYZ(28.7088, 20.8977, 97.1283)
contains.

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Color

**XYZ(28.6642, 20.8099,
97.1137)**

Conversions

Conversions Part 1

Format	Color
Hex	636DFF
RGB	99, 109, 255
RGB Percent	39%, 43%, 100%
CMY	0.6117, 0.5725, 0.0000
CMYK	0.61, 0.57, 0.00, 0.00
HSL	236°, 100%, 69%
HSV	236°, 61%, 100%
XYZ	28.6642, 20.8099, 97.1137
YIQ	122.6540, -52.8260, 43.2860

Conversions

Conversions Part 2

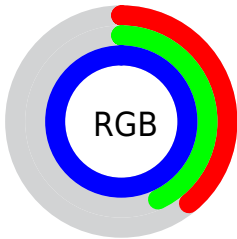
Format	Color
R _Y B	99, 108, 255
Decimal	6516223
CIE Lab	52.74, 39.01, -74.00
CIE LCh	53, 83.650, 297.795
Yxy	20.8099, 0.1955, 0.1420
Android (android.graphics.Color)	4284706303 (0xFF636DFF)
YUV	122.6540, 65.2466, -20.7446
Hunter-Lab	45.6179, 32.3300, -94.2871

Details

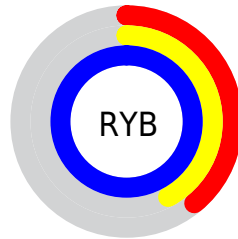
The XYZ color **28.6642, 20.8099, 97.1137** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **76.1473, 87.4706, 24.6765**, and the grayscale version is **18.5189, 19.4833, 21.2173**.

A 20% lighter version of the original color is **45.6952, 40.3911, 99.9956**, and **11.8007, 7.4765, 53.6445** is the 20% darker color. If you saturate the color by 10%, you get **24.0953, 15.1745, 96.2667**, and if you desaturate by 10%, it is **34.8051, 28.2817, 98.2322**.

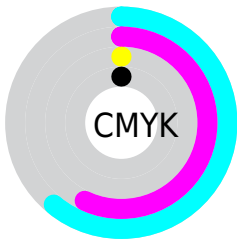
Distribution



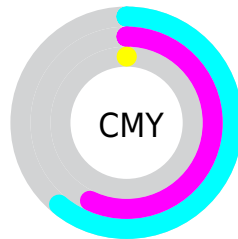
- Red (39%)
- Green (43%)
- Blue (100%)



- Red (39%)
- Yellow (42%)
- Blue (100%)



- Cyan (61%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6642, 20.8099, 97.1137 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 28.6642, 20.8099, 97.1137 by changing the saturation by 10% instead.

■ 28.6642, 20.8099,
97.1137

■ 28.6642, 20.8099,
97.1137

287.6501,
256.2665, 572.0661

■ 18.9699, 12.9851,
73.2889

■ 56.9444, 44.7709,
159.2022

■ 11.7524, 7.4183,
53.7190

■ 76.2611, 61.6760,
198.3029

■ 6.6463, 3.7251,
37.9854

■ 99.5159, 82.3766,
243.3326

■ 3.2863, 1.5210,
25.6696

■ 127.0742,
107.2571, 294.7100

■ 1.3069, 0.3034,
16.3531

159.3015,
136.7020, 352.8535

■ 0.1884, 0.0000,
9.6173

196.5630,

■ 0.0000, 0.0000,

171.0956, 418.1817

5.0437

239.2241,
210.8223, 491.1130

■ 0.0000, 0.0000,
2.2137

■ 0.0000, 0.0000,
0.6823

■ 28.6642, 20.8099,
97.1137

■ 28.6642, 20.8099,
97.1137

■ 24.0953, 15.1745,
96.2667

■ 34.8051, 28.2817,
98.2322

■ 20.9523, 11.2146,
95.6681

■ 42.6411, 37.7286,
99.6427

■ 19.0663, 8.7446,
95.2907

■ 52.2861, 49.2782,
101.3636

■ 18.2403, 7.6006,
95.1134

■ 63.8435, 63.0465,
103.4120

■ 77.4088, 79.1413,
105.8037

■ 93.0710, 97.6633,
108.5533

■ 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.



19.1415, 20.8099, 112.3599



28.6642, 20.8099, 97.1137



37.6095, 20.8099, 59.0521

Triad

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



28.6642, 20.8099, 97.1137



30.1180, 20.8099, 1.4808



7.3179, 20.8099, 20.8619

Complementary

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



28.6642, 20.8099, 97.1137



76.1473, 87.4706, 24.6765

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.



8.7210, 20.8099, 5.5011



28.6642, 20.8099, 97.1137



20.4309, 20.8099, 0.5135

Square

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



28.6642, 20.8099, 97.1137



38.6077, 20.8099, 6.8419



12.9509, 20.8099, 1.2010



8.3528, 20.8099, 53.2007

Rectangle

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



28.6642, 20.8099, 97.1137



41.0862, 20.8099, 34.3904



12.9509, 20.8099, 1.2010



7.5082, 20.8099, 13.9536

Sweetspot

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



28.6651, 20.8104, 97.1137



67.9263, 67.8969, 104.1331



57.3270, 80.7413, 98.6300



13.7360, 13.5788, 22.1470



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.



28.6651, 20.8104, 97.1137



23.4193, 14.3310, 96.1396



38.3656, 24.3177, 97.2794



17.0964, 17.5644, 22.7391



9.5660, 4.0417, 49.7105



0.9626, 0.4560, 4.8505

Inverse Universe

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



48.4629, 31.2894, 17.9532



44.8356, 26.0885, 10.4127



58.6049, 83.0368, 24.7453



18.0566, 18.0059, 18.9150



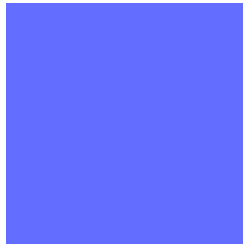
21.6167, 11.1360, 1.3660



2.1205, 1.0906, 0.2160

Previews

White Background



This preview shows how the XYZ color 28.6642, 20.8099, 97.1137 looks on a white background.

Color Contrast Check

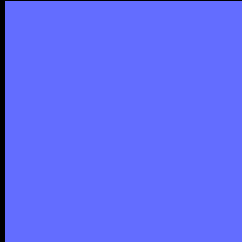
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6642, 20.8099, 97.1137 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 28.6642, 20.8099, 97.1137

Background



This preview shows how black text looks on a background with the XYZ color 28.6642, 20.8099, 97.1137.



This preview shows how white text looks on a background with the XYZ color 28.6642, 20.8099,

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

28.6642, 20.8099, 97.1137

Protanopia

25.1368, 21.0233, 97.3408

Deuteranopia

20.9040, 20.7123, 72.0034



Tritanopia

15.4177, 20.6103, 31.1826

Trichromacy



Original Color

28.6642, 20.8099, 97.1137

Protanomaly

25.5836, 20.5469, 97.2253

Deuteranomaly

22.4162, 19.9903, 80.5190

Tritanomaly

18.7390, 19.8904, 49.8653

Monochromacy



Original Color

28.6642, 20.8099, 97.1137

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.7685, 19.4745, 41.1924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6642, 20.8099, 97.1137 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(99, 109, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 109, 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(99, 109, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 109, 255) }
```

Border

The CSS property to change the border of an element to XYZ 28.6642, 20.8099, 97.1137 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(99, 109, 255) }
```


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

```
.border{ border-color:rgb(99, 109, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 109, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 109, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 109, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 109,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6642, 20.8099, 97.1137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 109, 255) }
```

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

```
.background{ background-color: rgb(99, 109,  
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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