

Converting Colors

XYZ(28.7666, 20.6003, 95.7976)

Have a look what the booklet for
XYZ(28.7666, 20.6003, 95.7976)
contains.

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Color

**XYZ(28.6962, 20.5503,
95.3827)**

Conversions

Conversions Part 1

Format	Color
Hex	686BFD
RGB	104, 107, 253
RGB Percent	41%, 42%, 99%
CMY	0.5921, 0.5804, 0.0078
CMYK	0.59, 0.58, 0.00, 0.01
HSL	239°, 97%, 70%
HSV	239°, 59%, 99%
XYZ	28.6962, 20.5503, 95.3827
YIQ	122.7470, -48.6540, 44.7700

Conversions

Conversions Part 2

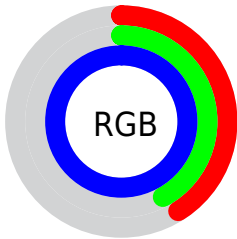
Format	Color
RYB	104, 107, 253
Decimal	6843389
CIELab	52.45, 40.37, -73.34
CIElCh	52, 83.718, 298.828
Yxy	20.5503, 0.1984, 0.1421
Android (android.graphics.Color)	4285033469 (0xFF686BFD)
YUV	122.7470, 64.2147, -16.4411
Hunter-Lab	45.3324, 33.6617, -93.0177

Details

The XYZ color **28.6962, 20.5503, 95.3827** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **77.1952, 90.2581, 26.4515**, and the grayscale version is **18.5515, 19.5176, 21.2547**.

A 20% lighter version of the original color is **46.1740, 40.1233, 99.9187**, and **11.7754, 7.3313, 52.4242** is the 20% darker color. If you saturate the color by 10%, you get **23.9629, 14.8077, 94.5242**, and if you desaturate by 10%, it is **35.0529, 28.2294, 96.5304**.

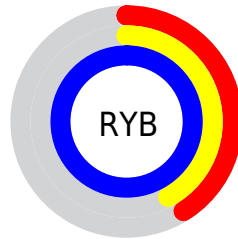
Distribution



Red (41%)

Green (42%)

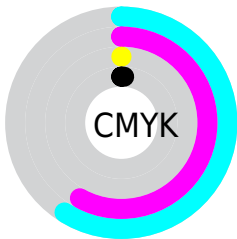
Blue (99%)



Red (41%)

Yellow (42%)

Blue (99%)

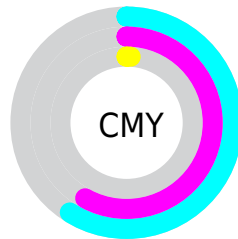


Cyan (59%)

Magenta (58%)

Yellow (0%)

Black (1%)



Cyan (59%)

Magenta (58%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6962, 20.5503, 95.3827 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 28.6962, 20.5503, 95.3827 by changing the saturation by 10% instead.

■ 28.6962, 20.5503,
95.3827

■ 28.6962, 20.5503,
95.3827

287.7990,
254.8788, 566.4050

■ 18.9942, 12.7957,
71.8549

■ 56.9950, 44.3379,
156.7933

■ 11.7701, 7.2880,
52.5540

■ 76.3225, 61.1397,
195.5132

■ 6.6584, 3.6429,
37.0616

■ 99.5892, 81.7260,
240.1343

■ 3.2938, 1.4759,
24.9590

■ 127.1606,
106.4811, 291.0750

■ 1.3110, 0.2716,
15.8278

159.4019,
135.7896, 348.7538

■ 0.1914, 0.0000,
9.2493

196.6785,

■ 0.0000, 0.0000,

170.0358, 413.5894

4.8051

239.3557,
209.6041, 486.0003

■ 0.0000, 0.0000,
2.0767

■ 0.0000, 0.0000,
0.6018

■ 28.6962, 20.5503,
95.3827

■ 28.6962, 20.5503,
95.3827

■ 23.9629, 14.8077,
94.5242

■ 35.0529, 28.2294,
96.5304

■ 20.7032, 10.8275,
93.9278

■ 43.1588, 37.9951,
97.9881

■ 18.7451, 8.4073,
93.5638

■ 53.1310, 49.9849,
99.7768

■ 17.8499, 7.2801,
93.3934

■ 65.0755, 64.3239,
101.9150

■ 17.7849, 7.2022,
93.3819

■ 79.0905, 81.1281,
104.4198

94.7297, 99.8719,
107.2135

Harmonies

Analogous

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



19.1945, 20.5503, 111.7243



28.6962, 20.5503, 95.3827



37.4911, 20.5503, 57.1782

Triad

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



28.6962, 20.5503, 95.3827



29.4638, 20.5503, 1.3590



7.1794, 20.5503, 21.4163

Complementary

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



28.6962, 20.5503, 95.3827



77.1952, 90.2581, 26.4515

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.



8.4809, 20.5503, 5.6712



28.6962, 20.5503, 95.3827



19.8743, 20.5503, 0.4710

Square

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



28.6962, 20.5503, 95.3827



38.0186, 20.5503, 6.3737



12.5623, 20.5503, 1.2140



8.2875, 20.5503, 54.0840

Rectangle

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



28.6962, 20.5503, 95.3827



40.8051, 20.5503, 32.9271



12.5623, 20.5503, 1.2140



7.3404, 20.5503, 14.3601

Sweetspot

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



28.6972, 20.5509, 95.3833



67.4249, 66.8940, 103.9659



57.7838, 79.9739, 101.2257



13.6168, 13.3404, 22.1072



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.



28.6972, 20.5509, 95.3833



23.5654, 14.0642, 96.0804



40.0334, 25.9396, 95.8259



17.0323, 17.4362, 22.7178



9.4732, 3.8560, 49.6796



0.9322, 0.3951, 4.8404

Inverse Universe

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



48.1132, 31.8464, 17.5212



45.0458, 26.6950, 9.9089



57.2651, 81.3756, 25.7875



18.0242, 17.9930, 18.7445



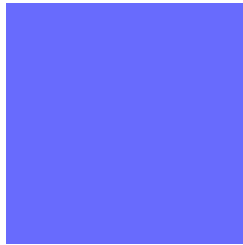
21.5698, 11.1172, 1.1193



2.1051, 1.0844, 0.1351

Previews

White Background



This preview shows how the XYZ color 28.6962, 20.5503, 95.3827 looks on a white background.

Color Contrast Check

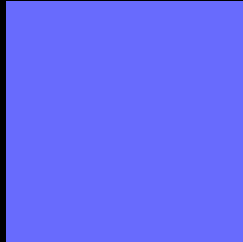
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6962, 20.5503, 95.3827 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 28.6962, 20.5503, 95.3827

Background



This preview shows how black text looks on a background with the XYZ color 28.6962, 20.5503, 95.3827.



This preview shows how white text looks on a background with the XYZ color 28.6962, 20.5503,

95.3827.

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

28.6962, 20.5503, 95.3827

Protanopia

24.7665, 20.6529, 97.2888

Deuteranopia

20.6405, 20.3992, 71.2562



Tritanopia

15.8155, 20.6144, 30.7492

Trichromacy



Original Color

28.6962, 20.5503, 95.3827

Protanomaly

24.8195, 19.8293, 96.2852

Deuteranomaly

22.2238, 19.7282, 79.7274

Tritanomaly

19.0982, 19.7083, 49.2519

Monochromacy



Original Color

28.6962, 20.5503, 95.3827

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.8194, 19.3379, 40.6655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6962, 20.5503, 95.3827 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(104, 107, 253)` looks like.

```
.text, #text, p{  
    color:rgb(104, 107, 253)  
}
```

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(104, 107, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 107, 253) }
```

Border

The CSS property to change the border of an element to XYZ 28.6962, 20.5503, 95.3827 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(104, 107, 253) }
```


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

```
.border{ border-color:rgb(104, 107, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 107, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 107, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 107, 253);  
box-shadow:4px 4px 4px 4px rgb(104, 107,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6962, 20.5503, 95.3827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 107, 253) }
```

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

```
.background{ background-color: rgb(104,  
107, 253) }
```

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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