

Converting Colors

XYZ(27.8496, 27.0503, 70.8727)

Have a look what the booklet for
XYZ(27.8496, 27.0503, 70.8727)
contains.

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Color

**XYZ(27.7905, 26.9890,
70.7625)**

Conversions

Conversions Part 1

Format	Color
Hex	668DDB
RGB	102, 141, 219
RGB Percent	40%, 55%, 86%
CMY	0.6000, 0.4471, 0.1412
CMYK	0.53, 0.36, 0.00, 0.14
HSL	220°, 62%, 63%
HSV	220°, 53%, 86%
XYZ	27.7905, 26.9890, 70.7625
YIQ	138.2310, -48.2820, 15.9900

Conversions

Conversions Part 2

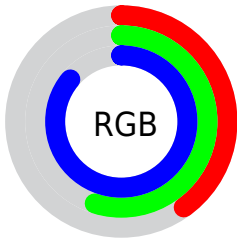
Format	Color
RYB	102, 131, 219
Decimal	6720987
CIELab	58.96, 8.74, -43.99
CIELCh	59, 44.850, 281.237
Yxy	26.9890, 0.2214, 0.2150
Android (android.graphics.Color)	4284911067 (0xFF668DDB)
YUV	138.2310, 39.8191, -31.7746
Hunter-Lab	51.9509, 4.5722, -44.3934

Details

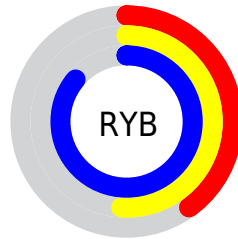
The XYZ color **27.7905, 26.9890, 70.7625** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **47.9342, 48.6636, 19.4383**, and the grayscale version is **24.1125, 25.3682, 27.6260**.

A 20% lighter version of the original color is **51.6399, 53.1745, 102.1497**, and **11.2786, 10.5938, 36.5723** is the 20% darker color. If you saturate the color by 10%, you get **23.6157, 21.8492, 69.9910**, and if you desaturate by 10%, it is **32.9066, 33.0362, 71.6606**.

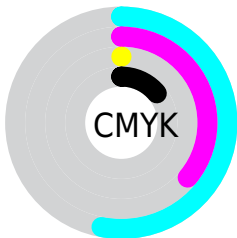
Distribution



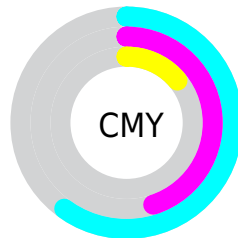
- Red (40%)
- Green (55%)
- Blue (86%)



- Red (40%)
- Yellow (51%)
- Blue (86%)



- Cyan (53%)
- Magenta (36%)
- Yellow (0%)
- Black (14%)



- Cyan (60%)
- Magenta (45%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7905, 26.9890, 70.7625 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 27.7905, 26.9890, 70.7625 by changing the saturation by 10% instead.

■ 27.7905, 26.9890,
70.7625

■ 27.7905, 26.9890,
70.7625

283.5628,
287.6039, 482.0840

■ 18.3074, 17.5650,
51.6678

■ 55.5608, 54.8662,
121.9868

■ 11.2720, 10.6381,
36.3599

■ 74.5787, 74.0882,
154.9534

■ 6.3187, 5.8240,
24.4204

■ 97.5056, 97.3449,
193.3811

■ 3.0823, 2.7384,
15.4307

■ 124.7069,
125.0208, 237.6883

■ 1.1974, 0.9967,
8.9722

156.5479,
157.5002, 288.2937

■ 0.1044, 0.0000,
4.6265

193.3940,

■ 0.0000, 0.0000,

195.1676, 345.6158

1.9750

235.6105,
238.4074, 410.0730

■ 0.0000, 0.0000,
0.5398

■ 0.0000, 0.0000,
0.0000

■ 27.7905, 26.9890,
70.7625

■ 27.7905, 26.9890,
70.7625

■ 23.6157, 21.8492,
69.9910

■ 32.9066, 33.0362,
71.6606

■ 20.3154, 17.5648,
69.3380

■ 39.0185, 40.0332,
72.6890

■ 17.8178, 14.0817,
68.7973

■ 46.1798, 48.0226,
73.8537

■ 16.0365, 11.3367,
68.3614

■ 54.4394, 57.0437,
75.1596

■ 15.1686, 9.8792,
68.1258

■ 63.8428, 67.1332,
76.6115

■ 74.4330, 78.3263,
78.2138

■ 86.1381, 90.5982,
79.9656

■ 89.7863, 97.8945,
81.1816

Harmonies

Analogous

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



22.3675, 26.9890, 68.9116



27.7905, 26.9890, 70.7625



33.3572, 26.9890, 58.9162

Triad

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



27.7905, 26.9890, 70.7625



34.5524, 26.9890, 13.4821



16.8092, 26.9890, 20.6038

Complementary

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



27.7905, 26.9890, 70.7625



47.9342, 48.6636, 19.4383

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.



19.2357, 26.9890, 11.8626



27.7905, 26.9890, 70.7625



29.2438, 26.9890, 8.8954

Square

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



27.7905, 26.9890, 70.7625



37.6202, 26.9890, 23.8193



23.6266, 26.9890, 8.4350



16.5369, 26.9890, 35.7597

Rectangle

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



27.7905, 26.9890, 70.7625



36.2015, 26.9890, 46.7016



23.6266, 26.9890, 8.4350



17.3816, 26.9890, 16.9871

Sweetspot

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



27.7915, 26.9899, 70.7632



73.5282, 76.9228, 105.5800



39.0502, 56.7839, 52.0834



15.2112, 15.8906, 22.5154



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.



27.7915, 26.9899, 70.7632



32.7531, 30.1038, 98.6921



25.4942, 18.7197, 69.2879



12.6915, 13.3228, 16.5548



9.0845, 6.0384, 40.4251



0.6663, 0.5466, 2.6448

Inverse Universe

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



38.7734, 26.4871, 28.2690



50.2536, 30.9612, 30.6023



51.4167, 63.8337, 22.1829



13.2342, 13.1228, 14.4944



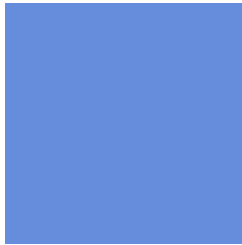
18.0808, 9.2333, 4.8053



1.2106, 0.6139, 0.5179

Previews

White Background



This preview shows how the XYZ color 27.7905, 26.9890, 70.7625 looks on a white background.

Color Contrast Check

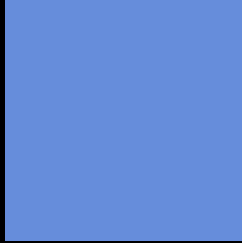
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7905, 26.9890, 70.7625 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 27.7905, 26.9890, 70.7625

Background



This preview shows how black text looks on a background with the XYZ color 27.7905, 26.9890, 70.7625.

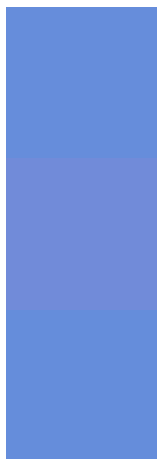


This preview shows how white text looks on a background with the XYZ color 27.7905, 26.9890,

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

27.7905, 26.9890, 70.7625

Protanopia

28.5671, 26.9857, 69.3488

Deuteranopia

27.6779, 26.9309, 70.7572



Tritanopia

21.4964, 26.9758, 39.1958

Trichromacy



Original Color

27.7905, 26.9890, 70.7625

Protanomaly

28.3396, 27.0693, 70.0609

Deuteranomaly

27.6779, 26.9309, 70.7572

Tritanomaly

23.4581, 26.8142, 49.2867

Monochromacy



Original Color

27.7905, 26.9890, 70.7625

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.6651, 25.6152, 40.2035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7905, 26.9890, 70.7625 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(102, 141, 219)` looks like.

```
.text, #text, p{  
    color:rgb(102, 141, 219)  
}
```

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(102, 141, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 141, 219) }
```

Border

The CSS property to change the border of an element to XYZ 27.7905, 26.9890, 70.7625 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(102, 141, 219) }
```


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

```
.border{ border-color:rgb(102, 141, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 141, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 141, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 141, 219);  
box-shadow:4px 4px 4px 4px rgb(102, 141,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7905, 26.9890, 70.7625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 141, 219) }
```

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

```
.background{ background-color: rgb(102,  
141, 219) }
```

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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