

Converting Colors

XYZ(26.8334, 21.5494, 72.7635)

Have a look what the booklet for
XYZ(26.8334, 21.5494, 72.7635)
contains.

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Color

**XYZ(26.7671, 21.5315,
72.5573)**

Conversions

Conversions Part 1

Format	Color
Hex	7474DF
RGB	116, 116, 223
RGB Percent	45%, 45%, 87%
CMY	0.5451, 0.5451, 0.1255
CMYK	0.48, 0.48, 0.00, 0.13
HSL	240°, 63%, 66%
HSV	240°, 48%, 87%
XYZ	26.7671, 21.5315, 72.5573
YIQ	128.1980, -34.3470, 33.2770

Conversions

Conversions Part 2

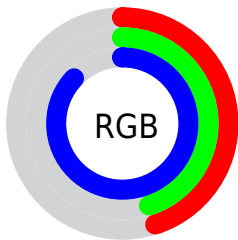
Format	Color
R _Y B	116, 116, 223
Decimal	7632095
CIE Lab	53.53, 28.05, -54.82
CIE LCh	54, 61.579, 297.102
Yxy	21.5315, 0.2215, 0.1782
Android (android.graphics.Color)	4285822175 (0xFF7474DF)
YUV	128.1980, 46.7374, -10.6976
Hunter-Lab	46.4020, 21.7644, -60.2283

Details

The XYZ color **26.7671, 21.5315, 72.5573** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **59.9711, 69.7244, 26.8208**, and the grayscale version is **20.4387, 21.5031, 23.4169**.

A 20% lighter version of the original color is **49.2862, 44.1095, 100.5241**, and **10.7295, 7.7941, 37.4981** is the 20% darker color. If you saturate the color by 10%, you get **21.8815, 15.6443, 71.6789**, and if you desaturate by 10%, it is **32.9828, 29.0206, 73.6757**.

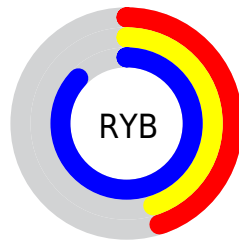
Distribution



Red (45%)

Green (45%)

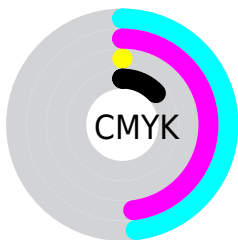
Blue (87%)



Red (45%)

Yellow (45%)

Blue (87%)

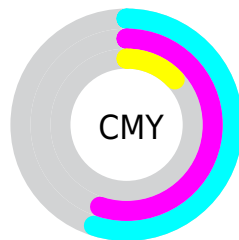


Cyan (48%)

Magenta (48%)

Yellow (0%)

Black (13%)



Cyan (55%)

Magenta (55%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.7671, 21.5315, 72.5573 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 26.7671, 21.5315, 72.5573 by changing the saturation by 10% instead.

■ 26.7671, 21.5315,
72.5573

■ 26.7671, 21.5315,
72.5573

278.7158,
260.0898, 488.5086

■ 17.5341, 13.5131,
53.1244

■ 53.9324, 45.9704,
124.5636

■ 10.7136, 7.7828,
37.5137

■ 72.5955, 63.1597,
157.9742

■ 5.9405, 3.9563,
25.3066

■ 95.1325, 84.1748,
196.8810

■ 2.8492, 1.6491,
16.0845

121.9090,
109.3999, 241.7027

■ 1.0745, 0.3904,
9.4290

153.2902,
139.2196, 292.8577

■ 0.0037, 0.0000,
4.9214

189.6415,

■ 0.0000, 0.0000,

174.0182, 350.7647

2.1433

231.3283,
214.1801, 415.8422

■ 0.0000, 0.0000,
0.6414

■ 0.0000, 0.0000,
0.0000

■ 26.7671, 21.5315,
72.5573

■ 26.7671, 21.5315,
72.5573

■ 21.8815, 15.6443,
71.6789

■ 32.9828, 29.0206,
73.6757

■ 18.2266, 11.2404,
71.0215

■ 40.6129, 38.2145,
75.0481

■ 15.6937, 8.1885,
70.5659

■ 49.7380, 49.2096,
76.6895

■ 14.1537, 6.3329,
70.2889

■ 60.4317, 62.0950,
78.6130

■ 13.4247, 5.4546,
70.1578

■ 72.7631, 76.9536,
80.8310

■ 13.3195, 5.3278,
70.1389

■ 86.7967, 93.8633,
83.3553

■ 90.3194, 98.1078,
83.9889

Harmonies

Analogous

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



19.8337, 21.5315, 81.2067



26.7671, 21.5315, 72.5573



32.9901, 21.5315, 49.0530

Triad

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



26.7671, 21.5315, 72.5573



28.1104, 21.5315, 4.3115



10.2744, 21.5315, 21.6642

Complementary

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



26.7671, 21.5315, 72.5573



59.9711, 69.7244, 26.8208

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.



11.5950, 21.5315, 8.7863



26.7671, 21.5315, 72.5573



21.1096, 21.5315, 2.7070

Square

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



26.7671, 21.5315, 72.5573



33.8750, 21.5315, 10.5360



15.2390, 21.5315, 3.7473



11.1637, 21.5315, 44.0564

Rectangle

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



26.7671, 21.5315, 72.5573



35.3898, 21.5315, 32.4694



15.2390, 21.5315, 3.7473



10.4664, 21.5315, 16.2685

Sweetspot

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



26.7680, 21.5322, 72.5578



72.7639, 73.1465, 104.8914



46.9099, 61.8166, 79.2719



14.9226, 14.8709, 22.3338



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.



26.7680, 21.5322, 72.5578



29.3940, 20.8885, 97.0904



36.0349, 26.3095, 72.9915



12.9521, 13.2434, 17.2613



7.8316, 3.1326, 41.2403



0.5429, 0.2171, 2.8585

Inverse Universe

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



49.9962, 33.5069, 73.6429



64.5575, 39.0160, 98.7328



46.0103, 62.5273, 26.1675



14.2951, 13.9357, 17.3240



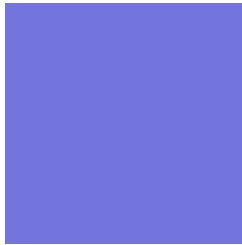
25.7243, 12.3567, 42.0752



1.7831, 0.8565, 2.9164

Previews

White Background



This preview shows how the XYZ color 26.7671, 21.5315, 72.5573 looks on a white background.

Color Contrast Check

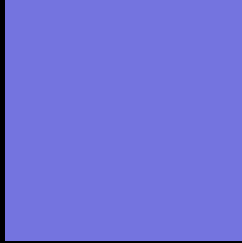
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.7671, 21.5315, 72.5573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

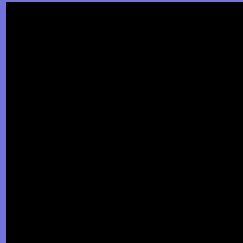
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 26.7671, 21.5315, 72.5573

Background



This preview shows how black text looks on a background with the XYZ color 26.7671, 21.5315, 72.5573.



This preview shows how white text looks on a background with the XYZ color 26.7671, 21.5315,

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

26.7671, 21.5315, 72.5573

Protanopia

24.5331, 21.6807, 78.4931

Deuteranopia

22.3994, 21.7086, 70.7197



Tritanopia

18.1501, 21.4217, 29.9662

Trichromacy



Original Color

26.7671, 21.5315, 72.5573

Protanomaly

25.0574, 21.4498, 76.2184

Deuteranomaly

23.4007, 21.2555, 71.2760

Tritanomaly

20.4990, 20.9626, 42.5009

Monochromacy



Original Color

26.7671, 21.5315, 72.5573

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

22.1307, 21.3447, 37.6039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.7671, 21.5315, 72.5573 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(116, 116, 223)` looks like.

```
.text, #text, p{  
    color:rgb(116, 116, 223)  
}
```

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(116, 116, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 116, 223) }
```

Border

The CSS property to change the border of an element to XYZ 26.7671, 21.5315, 72.5573 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(116, 116, 223) }
```


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

```
.border{ border-color:rgb(116, 116, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 116, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 116, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 116, 223);  
box-shadow:4px 4px 4px 4px rgb(116, 116,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 26.7671, 21.5315, 72.5573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 116, 223) }
```

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

```
.background{ background-color: rgb(116,  
116, 223) }
```

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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