

Converting Colors

XYZ(24.7469, 20.6561, 69.9091)

Have a look what the booklet for
XYZ(24.7469, 20.6561, 69.9091)
contains.

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Color

**XYZ(24.7410, 20.7206,
69.7133)**

Conversions

Conversions Part 1

Format	Color
Hex	6775DB
RGB	103, 117, 219
RGB Percent	40%, 46%, 86%
CMY	0.5961, 0.5412, 0.1412
CMYK	0.53, 0.47, 0.00, 0.14
HSL	233°, 62%, 63%
HSV	233°, 53%, 86%
XYZ	24.7410, 20.7206, 69.7133
YIQ	124.4420, -41.0860, 28.7540

Conversions

Conversions Part 2

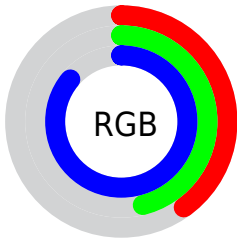
Format	Color
RYB	103, 115, 219
Decimal	6780379
CIELab	52.64, 23.38, -54.03
CIELCh	53, 58.870, 293.397
Yxy	20.7206, 0.2148, 0.1799
Android (android.graphics.Color)	4284970459 (0xFF6775DB)
YUV	124.4420, 46.6171, -18.8046
Hunter-Lab	45.5199, 17.3586, -58.9382

Details

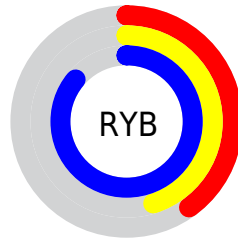
The XYZ color **24.7410, 20.7206, 69.7133** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **53.4946, 59.7046, 21.5382**, and the grayscale version is **19.1654, 20.1635, 21.9581**.

A 20% lighter version of the original color is **46.9359, 43.1730, 100.4672**, and **9.5757, 7.3319, 35.5608** is the 20% darker color. If you saturate the color by 10%, you get **20.5324, 15.5560, 68.9387**, and if you desaturate by 10%, it is **30.0706, 27.1487, 70.6736**.

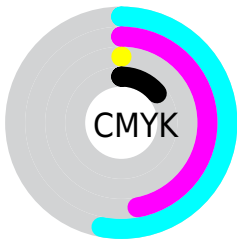
Distribution



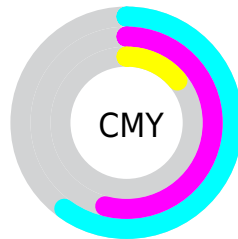
- Red (40%)
- Green (46%)
- Blue (86%)



- Red (40%)
- Yellow (45%)
- Blue (86%)



- Cyan (53%)
- Magenta (47%)
- Yellow (0%)
- Black (14%)



- Cyan (60%)
- Magenta (54%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7410, 20.7206, 69.7133 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 24.7410, 20.7206, 69.7133 by changing the saturation by 10% instead.

■ 24.7410, 20.7206,
69.7133

■ 24.7410, 20.7206,
69.7133

268.9171,
255.7899, 478.3046

■ 16.0119, 12.9199,
50.8175

■ 50.6827, 44.6221,
120.4771

■ 9.6235, 7.3734,
35.6877

■ 68.6259, 61.4917,
153.1821

■ 5.2104, 3.6967,
23.9053

■ 90.3713, 82.1530,
191.3273

■ 2.4072, 1.5054,
15.0518

■ 116.2841,
106.9905, 235.3312

■ 0.8487, 0.2925,
8.7087

146.7298,
136.3885, 285.6124

■ 0.0000, 0.0000,
4.4575

182.0736,

■ 0.0000, 0.0000,

170.7315, 342.5893

1.8795

222.6809,
210.4038, 406.6805

■ 0.0000, 0.0000,
0.4797

■ 0.0000, 0.0000,
0.0000

■ 24.7410, 20.7206,
69.7133

■ 24.7410, 20.7206,
69.7133

■ 20.5324, 15.5560,
68.9387

■ 30.0706, 27.1487,
70.6736

■ 17.3611, 11.5687,
68.3362

■ 36.5916, 34.9146,
71.8289

■ 15.1359, 8.6649,
67.8930

■ 44.3715, 44.0892,
73.1897

■ 13.7477, 6.7351,
67.5937

■ 53.4721, 54.7377,
74.7654

■ 13.1651, 5.8722,
67.4578

■ 63.9509, 66.9212,
76.5648

■ 75.8624, 80.6976,
78.5961

■ 88.7755, 95.8729,
80.8446

■ 89.7863, 97.8945,
81.1815

Harmonies

Analogous

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



18.3732, 20.7206, 75.2528



24.7410, 20.7206, 69.7133



30.7193, 20.7206, 49.1790

Triad

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



24.7410, 20.7206, 69.7133



27.5684, 20.7206, 4.8897



10.1726, 20.7206, 18.9069

Complementary

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



24.7410, 20.7206, 69.7133



53.4946, 59.7046, 21.5382

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.



11.6842, 20.7206, 7.8518



24.7410, 20.7206, 69.7133



21.0773, 20.7206, 2.9207

Square

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



24.7410, 20.7206, 69.7133



32.5735, 20.7206, 11.6589



15.3853, 20.7206, 3.6216



10.7555, 20.7206, 38.7451

Rectangle

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



24.7410, 20.7206, 69.7133



33.2445, 20.7206, 33.6136



15.3853, 20.7206, 3.6216



10.4403, 20.7206, 14.2436

Sweetspot

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



24.7419, 20.7213, 69.7138



71.2035, 72.2734, 104.8051



41.7692, 57.8846, 65.8059



14.6630, 14.7941, 22.3327



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.



24.7419, 20.7213, 69.7138



28.1819, 20.9614, 97.1683



29.4090, 20.8848, 69.4994



12.4646, 12.8690, 16.4791



7.8483, 3.5661, 40.0131



0.5513, 0.3167, 2.6065

Inverse Universe

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



37.2754, 26.0462, 19.8928



47.9462, 30.0382, 18.4520



45.7909, 60.9276, 22.1802



13.1196, 13.0770, 13.8912



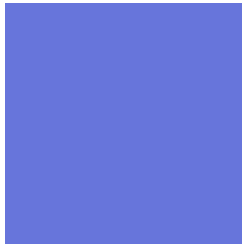
17.4568, 8.9838, 1.5196



1.1526, 0.5907, 0.2123

Previews

White Background



This preview shows how the XYZ color 24.7410, 20.7206, 69.7133 looks on a white background.

Color Contrast Check

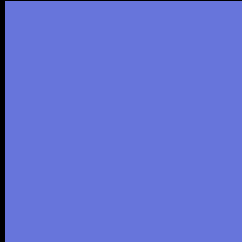
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7410, 20.7206, 69.7133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

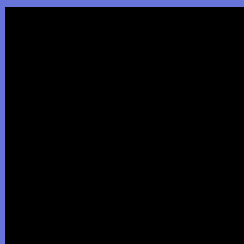
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.7410, 20.7206, 69.7133

Background



This preview shows how black text looks on a background with the XYZ color 24.7410, 20.7206, 69.7133.



This preview shows how white text looks on a background with the XYZ color 24.7410, 20.7206,

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

24.7410, 20.7206, 69.7133

Protanopia

23.4746, 20.8787, 73.3137

Deuteranopia

21.5820, 20.9454, 68.5510



Tritanopia

16.7778, 20.7142, 29.9020

Trichromacy



Original Color

24.7410, 20.7206, 69.7133

Protanomaly

23.7390, 20.6853, 71.8487

Deuteranomaly

22.3364, 20.5675, 69.1223

Tritanomaly

19.0960, 20.4431, 41.9692

Monochromacy



Original Color

24.7410, 20.7206, 69.7133

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.2978, 19.8910, 35.5704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7410, 20.7206, 69.7133 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(103, 117, 219)` looks like.

```
.text, #text, p{  
    color:rgb(103, 117, 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(103, 117, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 117, 219) }
```

Border

The CSS property to change the border of an element to XYZ 24.7410, 20.7206, 69.7133 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(103, 117, 219) }
```


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

```
.border{ border-color:rgb(103, 117, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 117, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 117, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 117, 219); box-shadow:4px 4px 4px 4px rgb(103, 117, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7410, 20.7206, 69.7133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 117, 219) }
```

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

```
.background{ background-color: rgb(103,  
117, 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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