

Converting Colors

XYZ(22.7477, 13.1264, 68.3510)

Have a look what the booklet for
XYZ(22.7477, 13.1264, 68.3510)
contains.

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Color

**XYZ(22.7604, 13.1485,
68.3561)**

Conversions

Conversions Part 1

Format	Color
Hex	7A42DB
RGB	122, 66, 219
RGB Percent	48%, 26%, 86%
CMY	0.5216, 0.7412, 0.1412
CMYK	0.44, 0.70, 0.00, 0.14
HSL	262°, 68%, 56%
HSV	262°, 70%, 86%
XYZ	22.7604, 13.1485, 68.3561
YIQ	100.1860, -15.7370, 59.4550

Conversions

Conversions Part 2

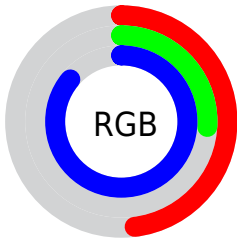
Format	Color
R_{YB}	122, 66, 219
Decimal	8012507
CIE Lab	42.99, 56.24, -69.55
CIE LCh	43, 89.446, 308.960
Yxy	13.1485, 0.2183, 0.1261
Android (android.graphics.Color)	4286202587 (0xFF7A42DB)
YUV	100.1860, 58.5753, 19.1309
Hunter-Lab	36.2609, 48.5853, -86.3862

Details

The XYZ color **22.7604, 13.1485, 68.3561** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **41.4187, 58.8429, 14.3292**, and the grayscale version is **12.0193, 12.6452, 13.7706**.

A 20% lighter version of the original color is **43.5845, 30.0006, 98.1013**, and **8.6222, 3.8101, 34.9313** is the 20% darker color. If you saturate the color by 10%, you get **19.8896, 10.1191, 67.9230**, and if you desaturate by 10%, it is **26.4030, 17.3025, 68.9662**.

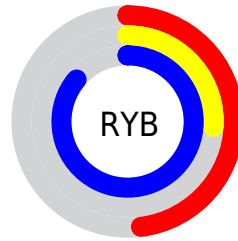
Distribution



Red (48%)

Green (26%)

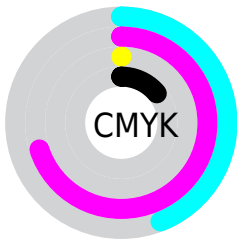
Blue (86%)



Red (48%)

Yellow (26%)

Blue (86%)

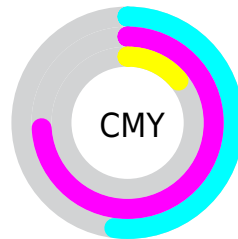


Cyan (44%)

Magenta (70%)

Yellow (0%)

Black (14%)



Cyan (52%)

Magenta (74%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7604, 13.1485, 68.3561 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 22.7604, 13.1485, 68.3561 by changing the saturation by 10% instead.

■ 22.7604, 13.1485,
68.3561

■ 22.7604, 13.1485,
68.3561

259.0503,
211.8672, 473.3889

■ 14.5364, 7.5309,
49.7190

■ 47.4692, 31.5703,
118.5205

■ 8.5789, 3.7963,
34.8206

■ 64.6846, 45.1433,
150.8848

■ 4.5224, 1.5603,
23.2422

■ 85.6280, 62.1369,
188.6619

■ 2.0017, 0.3306,
14.5655

■ 110.6646, 82.9354,
232.2704

■ 0.6349, 0.0000,
8.3718

■ 140.1598,
107.9233, 282.1289

■ 0.0000, 0.0000,
4.2426

174.4789,

■ 0.0000, 0.0000,

137.4850, 338.6557

1.7594

213.9873,
172.0048, 402.2696

■ 0.0000, 0.0000,
0.4009

■ 0.0000, 0.0000,
0.0000

■ 22.7604, 13.1485,
68.3561

■ 22.7604, 13.1485,
68.3561

■ 19.8896, 10.1191,
67.9230

■ 26.4030, 17.3025,
68.9662

■ 17.7173, 8.0882,
67.6455

■ 30.8764, 22.6859,
69.7695

■ 16.1276, 6.8419,
67.4887

■ 36.2359, 29.3920,
70.7815

■ 16.1082, 6.8270,
67.4868

■ 42.5307, 37.5048,
72.0156

■ 49.8064, 47.1012,
73.4845

■ 58.1054, 58.2523,
75.1994

■ 67.4674, 71.0246,
77.1713

■ 77.9299, 85.4806,
79.4102

■ 86.8895, 96.4012,
81.0458

Harmonies

Analogous

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



14.6661, 13.1485, 93.4340



22.7604, 13.1485, 68.3561



29.2920, 13.1485, 32.6112

Triad

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



22.7604, 13.1485, 68.3561



17.8559, 13.1485, 0.0000



3.4717, 13.1485, 21.0422

Complementary

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



22.7604, 13.1485, 68.3561



41.4187, 58.8429, 14.3292

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.



3.7866, 13.1485, 4.5863



22.7604, 13.1485, 68.3561



10.5535, 13.1485, 0.0000

Square

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



22.7604, 13.1485, 68.3561



25.8148, 13.1485, 1.2786



5.9032, 13.1485, 0.3190



4.7909, 13.1485, 53.6241

Rectangle

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



22.7604, 13.1485, 68.3561



30.8672, 13.1485, 15.0132



5.9032, 13.1485, 0.3190



3.4045, 13.1485, 13.6417

Sweetspot

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



22.7611, 13.1489, 68.3564



68.8761, 64.5836, 103.4435



28.5696, 33.3459, 71.9487



14.1108, 12.9868, 22.0129



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.



22.7611, 13.1489, 68.3564



26.4719, 12.7285, 95.6694



37.5126, 20.7536, 69.0468



12.7865, 12.8481, 16.4581



9.6617, 4.1050, 40.0215



0.7188, 0.3138, 2.5971

Inverse Universe

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



37.7724, 21.6009, 36.8277



49.9216, 25.9903, 43.7694



30.4301, 53.1780, 13.8150



13.4016, 13.1898, 15.3763



20.1328, 10.0542, 15.6113



1.3452, 0.6677, 1.2268

Previews

White Background



This preview shows how the XYZ color 22.7604, 13.1485, 68.3561 looks on a white background.

Color Contrast Check

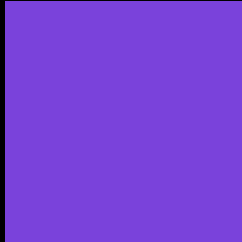
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.7604, 13.1485, 68.3561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

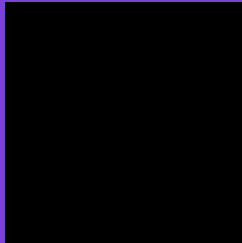
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.7604, 13.1485, 68.3561

Background



This preview shows how black text looks on a background with the XYZ color 22.7604, 13.1485, 68.3561.



This preview shows how white text looks on a background with the XYZ color 22.7604, 13.1485,

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

22.7604, 13.1485, 68.3561

Protanopia

15.6302, 13.2404, 60.7633

Deuteranopia

13.0870, 13.1553, 44.4973



Tritanopia

12.2852, 13.0614, 16.6255

Trichromacy



Original Color

22.7604, 13.1485, 68.3561



Protanomaly

16.1244, 11.8942, 63.0740



Deuteranomaly

14.4325, 11.7428, 52.5449



Tritanomaly

14.9031, 12.3500, 30.4525

Monochromacy



Original Color

22.7604, 13.1485, 68.3561



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

14.6320, 12.1508, 27.5607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7604, 13.1485, 68.3561 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(122, 66, 219)` looks like.

```
.text, #text, p{  
    color:rgb(122, 66, 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(122, 66, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 66, 219) }
```

Border

The CSS property to change the border of an element to XYZ 22.7604, 13.1485, 68.3561 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(122, 66, 219) }
```


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

```
.border{ border-color:rgb(122, 66, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 66, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 66, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 66, 219);  
box-shadow:4px 4px 4px 4px rgb(122, 66,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7604, 13.1485, 68.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 66, 219) }
```

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

```
.background{ background-color: rgb(122, 66,  
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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