

Converting Colors

XYZ(25.1713, 14.6373, 73.2963)

Have a look what the booklet for
XYZ(25.1713, 14.6373, 73.2963)
contains.

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Color

**XYZ(25.2777, 14.6966,
73.4560)**

Conversions

Conversions Part 1

Format	Color
Hex	8346E2
RGB	131, 70, 226
RGB Percent	51%, 27%, 89%
CMY	0.4863, 0.7255, 0.1137
CMYK	0.42, 0.69, 0.00, 0.11
HSL	263°, 73%, 58%
HSV	263°, 69%, 89%
XYZ	25.2777, 14.6966, 73.4560
YIQ	106.0230, -13.7200, 61.4480

Conversions

Conversions Part 2

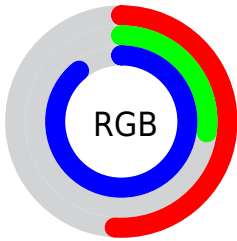
Format	Color
R_{YB}	131, 70, 226
Decimal	8603362
CIE _{Lab}	45.22, 57.68, -69.86
CIE _{LCh}	45, 90.598, 309.543
Yxy	14.6966, 0.2228, 0.1296
Android (android.graphics.Color)	4286793442 (0xFF8346E2)
YUV	106.0230, 59.1487, 21.9048
Hunter-Lab	38.3361, 50.6093, -86.7704

Details

The XYZ color **25.2777, 14.6966, 73.4560** 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 **43.8185, 62.8342, 15.6132**, and the grayscale version is **13.5524, 14.2582, 15.5272**.

A 20% lighter version of the original color is **46.3682, 32.3331, 98.4048**, and **9.9039, 4.4920, 37.8812** is the 20% darker color. If you saturate the color by 10%, you get **22.1288, 11.3549, 72.9773**, and if you desaturate by 10%, it is **29.2429, 19.2484, 74.1259**.

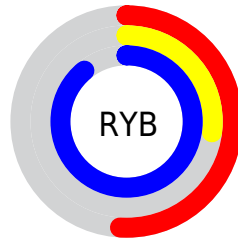
Distribution



Red (51%)

Green (27%)

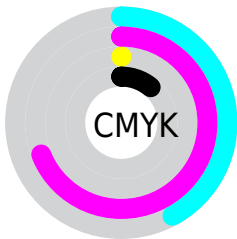
Blue (89%)



Red (51%)

Yellow (27%)

Blue (89%)

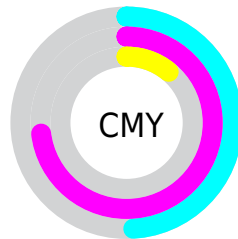


Cyan (42%)

Magenta (69%)

Yellow (0%)

Black (11%)



Cyan (49%)

Magenta (73%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2777, 14.6966, 73.4560 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 25.2777, 14.6966, 73.4560 by changing the saturation by 10% instead.


 25.2777, 14.6966,
73.4560

 25.2777, 14.6966,
73.4560


271.5403,
221.5224, 491.7068


 16.4139, 8.6067,
53.8548


 51.5470, 34.3200,
125.8513

 9.9102, 4.4856,
38.0932


 69.6833, 48.6224,
159.4824


 5.4013, 1.9487,
25.7527


 91.6411, 66.4311,
198.6273

 2.5217, 0.5774,
16.4146

 117.7857, 88.1304,
243.7045

 0.9062, 0.0000,
9.6605

 148.4826,
114.1048, 295.1325

 0.0000, 0.0000,
5.0718

184.0971,

 0.0000, 0.0000,

144.7387, 353.3298

2.2300

224.9945,
180.4164, 418.7151

■ 0.0000, 0.0000,
0.6916

■ 0.0000, 0.0000,
0.0000

■ 25.2777, 14.6966,
73.4560

■ 25.2777, 14.6966,
73.4560

■ 22.1288, 11.3549,
72.9773

■ 29.2429, 19.2484,
74.1259

■ 19.7196, 9.0898,
72.6671

■ 34.0860, 25.1212,
75.0042

■ 17.9404, 7.6983,
72.4922

■ 39.8647, 32.4145,
76.1074

■ 17.7878, 7.5842,
72.4783

■ 46.6307, 41.2177,
77.4500

■ 54.4315, 51.6124,
79.0452

■ 63.3115, 63.6746,
80.9054

■ 73.3124, 77.4749,
83.0421

■ 84.4734, 93.0801,
85.4659

■ 90.6780, 98.2455,
86.1359

Harmonies

Analogous

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



16.4925, 14.6966, 100.7470



25.2777, 14.6966, 73.4560



32.2519, 14.6966, 35.1577

Triad

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



25.2777, 14.6966, 73.4560



19.6253, 14.6966, 0.0000



4.0415, 14.6966, 23.8521

Complementary

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



25.2777, 14.6966, 73.4560



43.8185, 62.8342, 15.6132

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.



4.3593, 14.6966, 5.4884



25.2777, 14.6966, 73.4560



11.7165, 14.6966, 0.0000

Square

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



25.2777, 14.6966, 73.4560



28.2617, 14.6966, 1.4925



6.6647, 14.6966, 0.5658



5.5515, 14.6966, 59.1867

Rectangle

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



25.2777, 14.6966, 73.4560



33.8624, 14.6966, 16.3332



6.6647, 14.6966, 0.5658



3.9552, 14.6966, 15.6755

Sweetspot

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



25.2785, 14.6971, 73.4564



69.2857, 64.7948, 103.4626



29.9261, 34.1386, 76.9640



14.2074, 13.0366, 22.0175



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.



25.2785, 14.6971, 73.4564



27.5478, 13.4177, 95.7457



41.8741, 23.2524, 74.2330



13.4565, 13.5034, 17.2849



10.2719, 4.3907, 41.3545



0.8103, 0.3550, 2.8711

Inverse Universe

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



40.3457, 23.2658, 37.9603



49.5856, 26.0009, 41.5533



32.3456, 56.9197, 15.0763



14.0561, 13.8401, 16.0656



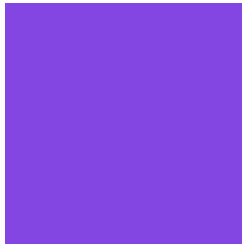
20.5547, 10.2889, 14.8526



1.4683, 0.7306, 1.2590

Previews

White Background



This preview shows how the XYZ color 25.2777, 14.6966, 73.4560 looks on a white background.

Color Contrast Check

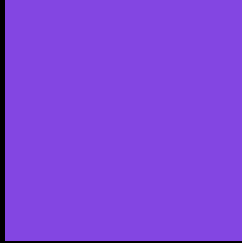
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2777, 14.6966, 73.4560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

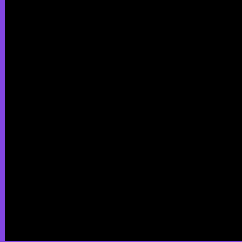
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.2777, 14.6966, 73.4560

Background



This preview shows how black text looks on a background with the XYZ color 25.2777, 14.6966, 73.4560.



This preview shows how white text looks on a background with the XYZ color 25.2777, 14.6966,

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

25.2777, 14.6966, 73.4560

Protanopia

17.5051, 14.7625, 68.2565

Deuteranopia

14.7612, 14.8260, 50.2278



Tritanopia

14.0742, 14.5491, 18.2861

Trichromacy



Original Color

25.2777, 14.6966, 73.4560



Protanomaly

18.0112, 13.3310, 70.0305



Deuteranomaly

15.9718, 13.0771, 57.5594



Tritanomaly

16.7702, 13.7727, 32.7849

Monochromacy



Original Color

25.2777, 14.6966, 73.4560



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

16.4896, 13.6755, 30.6247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2777, 14.6966, 73.4560 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(131, 70, 226)` looks like.

```
.text, #text, p{  
    color:rgb(131, 70, 226)  
}
```

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(131, 70, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 70, 226) }
```

Border

The CSS property to change the border of an element to XYZ 25.2777, 14.6966, 73.4560 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(131, 70, 226) }
```


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

```
.border{ border-color:rgb(131, 70, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 70, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 70, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 70, 226);  
box-shadow:4px 4px 4px 4px rgb(131, 70,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2777, 14.6966, 73.4560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 70, 226) }
```

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

```
.background{ background-color: rgb(131, 70,  
226) }
```

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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