

Converting Colors

XYZ(12.5285, 8.3544, 27.3378)

Have a look what the booklet for
XYZ(12.5285, 8.3544, 27.3378)
contains.

XYZ(12.5285, 8.3544, 27.3378)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.5285, 8.3544,
27.3378)**

Conversions

Conversions Part 1

Format	Color
Hex	693D90
RGB	105, 61, 144
RGB Percent	41%, 24%, 56%
CMY	0.5882, 0.7608, 0.4353
CMYK	0.27, 0.58, 0.00, 0.44
HSL	272°, 40%, 40%
HSV	272°, 58%, 56%
XYZ	12.5285, 8.3544, 27.3378
YIQ	83.6180, -0.4190, 35.1410

Conversions

Conversions Part 2

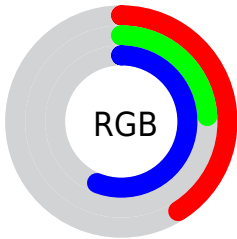
Format	Color
R_{YB}	105, 61, 144
Decimal	6897040
CIE _{Lab}	34.71, 35.88, -38.74
CIE _{LCh}	35, 52.806, 312.807
Yxy	8.3544, 0.2598, 0.1733
Android (android.graphics.Color)	4285087120 (0xFF693D90)
YUV	83.6180, 29.7683, 18.7520
Hunter-Lab	28.9040, 26.7893, -35.8446

Details

The XYZ color **12.5285, 8.3544, 27.3378** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **16.0713, 22.9930, 8.0062**, and the grayscale version is **8.2895, 8.7212, 9.4974**.

A 20% lighter version of the original color is **30.0670, 22.6000, 56.2036**, and **3.6410, 1.8624, 10.5235** is the 20% darker color. If you saturate the color by 10%, you get **11.0972, 6.6248, 27.0795**, and if you desaturate by 10%, it is **14.2301, 10.5301, 27.6682**.

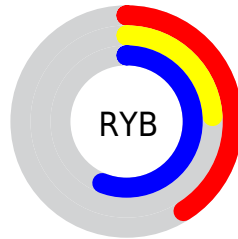
Distribution



Red (41%)

Green (24%)

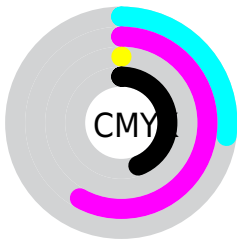
Blue (56%)



Red (41%)

Yellow (24%)

Blue (56%)

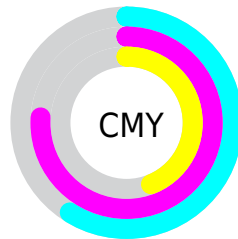


Cyan (27%)

Magenta (58%)

Yellow (0%)

Black (44%)



Cyan (59%)

Magenta (76%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5285, 8.3544, 27.3378 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 12.5285, 8.3544, 27.3378 by changing the saturation by 10% instead.

■ 12.5285, 8.3544,
27.3378

■ 12.5285, 8.3544,
27.3378

201.5727,
178.4859, 303.1007

■ 7.1794, 4.3225,
17.5924

■ 30.0626, 22.6503,
56.4358

■ 3.6219, 1.8556,
10.4914

■ 42.9784, 33.6832,
76.6254

■ 1.4905, 0.5215,
5.6161

■ 59.1472, 47.8185,
101.1336

■ 0.3194, 0.0000,
2.5481

■ 78.9342, 65.4407,
130.3788

■ 0.0000, 0.0000,
0.8655

■ 102.7050, 86.9342,
164.7795

■ 0.0000, 0.0000,
0.0000

■ 130.8247,

112.6832, 204.7544

163.6588,
143.0724, 250.7220

■ 12.5285, 8.3544,
27.3378

■ 12.5285, 8.3544,
27.3378

■ 11.0972, 6.6248,
27.0795

■ 14.2301, 10.5301,
27.6682

■ 9.9169, 5.3057,
26.8871

■ 16.2176, 13.1817,
28.0753

■ 8.9666, 4.3573,
26.7542

■ 18.5061, 16.3377,
28.5638

■ 8.2077, 3.7045,
26.6682

■ 21.1098, 20.0237,
29.1381

■ 8.0415, 3.5640,
26.6498

■ 24.0415, 24.2639,
29.8020

■ 27.3134, 29.0808,
30.5593

■ 30.9370, 34.4954,
31.4134

■ 34.9233, 40.5281,
32.3678

■ 39.2827, 47.1980,
33.4254

Harmonies

Analogous

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



9.2859, 8.3544, 36.4922



12.5285, 8.3544, 27.3378



14.8050, 8.3544, 14.8900

Triad

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



12.5285, 8.3544, 27.3378



9.7661, 8.3544, 0.6571



3.5469, 8.3544, 13.2611

Complementary

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



12.5285, 8.3544, 27.3378



16.0713, 22.9930, 8.0062

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.



3.6140, 8.3544, 5.0426



12.5285, 8.3544, 27.3378



6.7320, 8.3544, 0.5840

Square

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



12.5285, 8.3544, 27.3378



12.9553, 8.3544, 1.8643



4.6367, 8.3544, 1.5711



4.4226, 8.3544, 25.5222

Rectangle

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



12.5285, 8.3544, 27.3378



15.1873, 8.3544, 8.3130



4.6367, 8.3544, 1.5711



3.4679, 8.3544, 9.9278

Sweetspot

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



12.5288, 8.3547, 27.3380



37.3737, 35.5191, 51.4241



11.6238, 12.3361, 28.1542



8.3752, 7.8660, 11.7491



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.5288, 8.3547, 27.3380



18.9516, 10.9684, 47.6563



18.0995, 11.2386, 27.0501



5.3854, 5.3868, 6.7847



7.0300, 3.1177, 23.2083



0.0927, 0.0429, 0.2231

Inverse Universe

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



15.4708, 10.1872, 13.2077



25.0580, 14.7639, 18.6868



12.7780, 21.2909, 8.0492



5.5077, 5.4636, 6.1717



10.9272, 5.5279, 5.2678



0.1155, 0.0572, 0.1082

Previews

White Background



This preview shows how the XYZ color 12.5285, 8.3544, 27.3378 looks on a white background.

Color Contrast Check

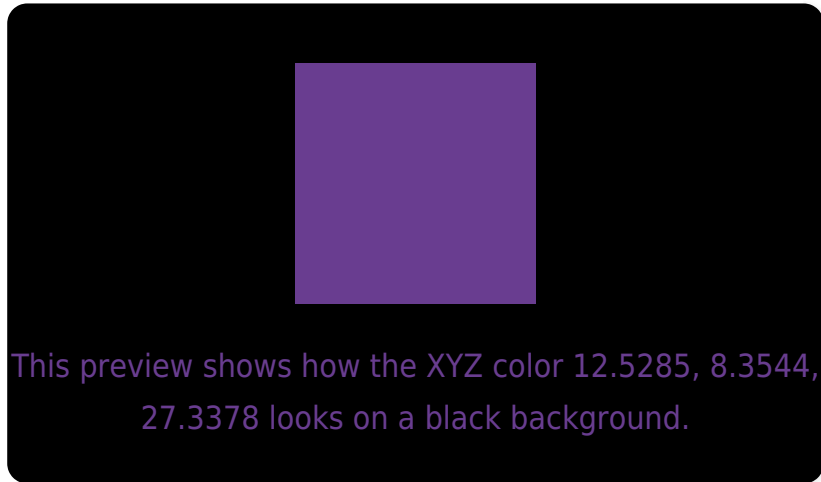
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

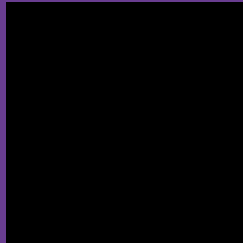
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5285, 8.3544, 27.3378

Background



This preview shows how black text looks on a background with the XYZ color 12.5285, 8.3544, 27.3378.



This preview shows how white text looks on a background with the XYZ color 12.5285, 8.3544,

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

12.5285, 8.3544, 27.3378

Protanopia

9.8857, 8.4832, 35.7667

Deuteranopia

8.7020, 8.5311, 25.9990



Tritanopia

8.8313, 8.3120, 9.3225

Trichromacy



Original Color

12.5285, 8.3544, 27.3378

Protanomaly

9.9490, 7.8758, 32.4483

Deuteranomaly

9.4381, 8.0452, 26.2547

Tritanomaly

9.8400, 8.1231, 14.4139

Monochromacy



Original Color

12.5285, 8.3544, 27.3378

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.5996, 8.4848, 14.7674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5285, 8.3544, 27.3378 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(105, 61, 144)` looks like.

```
.text, #text, p{  
    color:rgb(105, 61, 144)  
}
```

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(105, 61, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 61, 144) }
```

Border

The CSS property to change the border of an element to XYZ 12.5285, 8.3544, 27.3378 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(105, 61, 144) }
```


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

```
.border{ border-color:rgb(105, 61, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 61, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 61, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 61, 144);  
box-shadow:4px 4px 4px 4px rgb(105, 61,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5285, 8.3544, 27.3378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 61, 144) }
```

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

```
.background{ background-color: rgb(105, 61,  
144) }
```

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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