

Converting Colors

XYZ(12.3199, 8.2536, 30.6495)

Have a look what the booklet for
XYZ(12.3199, 8.2536, 30.6495)
contains.

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Color

**XYZ(12.3199, 8.2536,
30.6495)**

Conversions

Conversions Part 1

Format	Color
Hex	613E98
RGB	97, 62, 152
RGB Percent	38%, 24%, 60%
CMY	0.6196, 0.7569, 0.4039
CMYK	0.36, 0.59, 0.00, 0.40
HSL	263°, 42%, 42%
HSV	263°, 59%, 60%
XYZ	12.3199, 8.2536, 30.6495
YIQ	82.7250, -8.0300, 35.4100

Conversions

Conversions Part 2

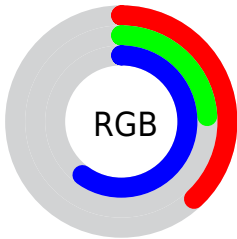
Format	Color
R_{YB}	97, 62, 152
Decimal	6373016
CIE _{Lab}	34.51, 35.35, -44.00
CIE _{LCh}	35, 56.435, 308.778
Yxy	8.2536, 0.2405, 0.1611
Android (android.graphics.Color)	4284563096 (0xFF613E98)
YUV	82.7250, 34.1526, 12.5192
Hunter-Lab	28.7291, 26.2703, -43.1429

Details

The XYZ color **12.3199, 8.2536, 30.6495** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **19.4337, 26.5862, 8.6649**, and the grayscale version is **8.1007, 8.5225, 9.2810**.

A 20% lighter version of the original color is **29.7094, 22.4532, 61.7995**, and **3.5242, 1.8262, 12.2233** is the 20% darker color. If you saturate the color by 10%, you get **10.6736, 6.3449, 30.3680**, and if you desaturate by 10%, it is **14.3140, 10.6850, 31.0139**.

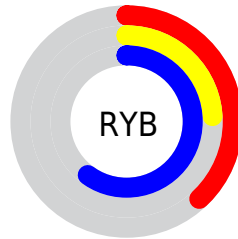
Distribution



Red (38%)

Green (24%)

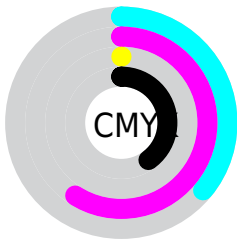
Blue (60%)



Red (38%)

Yellow (24%)

Blue (60%)

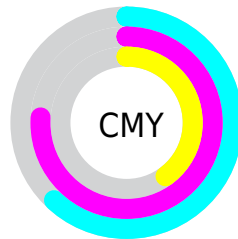


Cyan (36%)

Magenta (59%)

Yellow (0%)

Black (40%)



Cyan (62%)

Magenta (76%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3199, 8.2536, 30.6495 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 12.3199, 8.2536, 30.6495 by changing the saturation by 10% instead.

12.3199, 8.2536,
30.6495

12.3199, 8.2536,
30.6495

200.2387,
177.7078, 319.2213

7.0357, 4.2576,
20.0759

29.6882, 22.4541,
61.7609

3.5310, 1.8187,
12.2656

42.5031, 33.4275,
83.1358

1.4404, 0.4988,
6.8001

58.5588, 47.4954,
108.9482

0.2847, 0.0000,
3.2608

78.2208, 65.0423,
139.6166

0.0000, 0.0000,
1.2293

101.8545, 86.4527,
175.5595

0.0000, 0.0000,
0.0028

129.8251,

0.0000, 0.0000,

112.1107, 217.1956

0.0000

162.4981,
142.4010, 264.9434

■ 12.3199, 8.2536,
30.6495

■ 12.3199, 8.2536,
30.6495

■ 10.6736, 6.3449,
30.3680

■ 14.3140, 10.6850,
31.0139

■ 9.3502, 4.9164,
30.1620

■ 16.6762, 13.6752,
31.4665

■ 8.3228, 3.9198,
30.0238

■ 19.4263, 17.2582,
32.0132

■ 7.5349, 3.2490,
29.9359

■ 22.5824, 21.4648,
32.6588

■ 7.4780, 3.2003,
29.9295

■ 26.1611, 26.3237,
33.4080

■ 30.1784, 31.8618,
34.2653

■ 34.6492, 38.1043,
35.2346

■ 39.5877, 45.0754,
36.3198

■ 45.0075, 52.7978,
37.5247

Harmonies

Analogous

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



8.8132, 8.2536, 39.6769



12.3199, 8.2536, 30.6495



15.0172, 8.2536, 16.9115

Triad

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



12.3199, 8.2536, 30.6495



10.2670, 8.2536, 0.4813



3.2281, 8.2536, 11.9257

Complementary

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



12.3199, 8.2536, 30.6495



19.4337, 26.5862, 8.6649

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.



3.4212, 8.2536, 4.0297



12.3199, 8.2536, 30.6495



6.9501, 8.2536, 0.2599

Square

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



12.3199, 8.2536, 30.6495



13.6270, 8.2536, 1.8844



4.6105, 8.2536, 1.0884



3.9850, 8.2536, 24.9732

Rectangle

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



12.3199, 8.2536, 30.6495



15.6619, 8.2536, 9.3646



4.6105, 8.2536, 1.0884



3.1895, 8.2536, 8.6193

Sweetspot

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



12.3203, 8.2539, 30.6497



40.3735, 38.5790, 57.7522



14.0739, 16.1307, 32.0776



8.8128, 8.2797, 13.0512



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



12.3203, 8.2539, 30.6497



18.0396, 10.3118, 53.4733



18.4600, 11.4190, 30.9370



6.1003, 6.1376, 7.7921



6.3028, 2.7003, 25.0967



0.1331, 0.0604, 0.3770

Inverse Universe

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



17.8824, 11.4051, 18.0880



29.2087, 16.6602, 27.3195



14.8078, 24.2014, 8.4484



6.3594, 6.2829, 7.2725



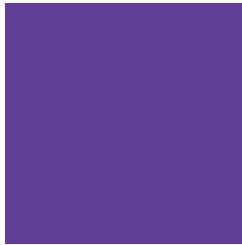
12.5252, 6.2643, 9.2908



0.2050, 0.1008, 0.2324

Previews

White Background



This preview shows how the XYZ color 12.3199, 8.2536, 30.6495 looks on a white background.

Color Contrast Check

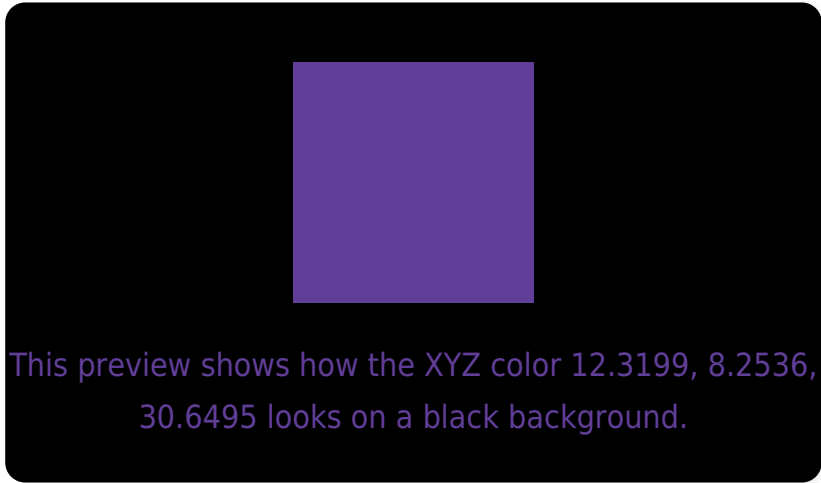
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3199, 8.2536, 30.6495

Background



This preview shows how black text looks on a background with the XYZ color 12.3199, 8.2536, 30.6495.



This preview shows how white text looks on a background with the XYZ color 12.3199, 8.2536, 30.6495.

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

12.3199, 8.2536, 30.6495

Protanopia

9.6994, 8.2388, 37.6382

Deuteranopia

8.3597, 8.2931, 28.7639



Tritanopia

8.1157, 8.2482, 9.9684

Trichromacy



Original Color

12.3199, 8.2536, 30.6495

Protanomaly

9.5321, 7.6007, 35.1471

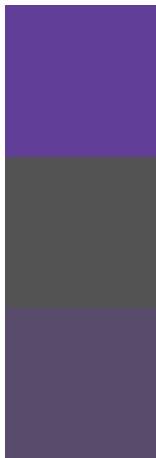
Deuteranomaly

8.6340, 7.5594, 29.4378

Tritanomaly

9.2215, 7.9656, 15.8033

Monochromacy



Original Color

12.3199, 8.2536, 30.6495

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.2474, 8.1896, 15.2807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3199, 8.2536, 30.6495 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(97, 62, 152)` looks like.

```
.text, #text, p{  
    color:rgb(97, 62, 152)  
}
```

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(97, 62, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 62, 152) }
```

Border

The CSS property to change the border of an element to XYZ 12.3199, 8.2536, 30.6495 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(97, 62, 152) }
```


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

```
.border{ border-color:rgb(97, 62, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 62, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 62, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 62, 152);  
box-shadow:4px 4px 4px 4px rgb(97, 62,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3199, 8.2536, 30.6495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 62, 152) }
```

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

```
.background{ background-color: rgb(97, 62,  
152) }
```

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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