

Converting Colors

XYZ(15.9351, 12.6019, 33.6653)

Have a look what the booklet for
XYZ(15.9351, 12.6019, 33.6653)
contains.

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Color

**XYZ(15.9244, 12.5657,
33.4844)**

Conversions

Conversions Part 1

Format	Color
Hex	6E579D
RGB	110, 87, 157
RGB Percent	43%, 34%, 62%
CMY	0.5686, 0.6588, 0.3843
CMYK	0.30, 0.45, 0.00, 0.38
HSL	260°, 29%, 48%
HSV	260°, 45%, 62%
XYZ	15.9244, 12.5657, 33.4844
YIQ	101.8570, -8.7620, 26.6460

Conversions

Conversions Part 2

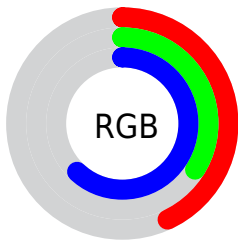
Format	Color
RYB	110, 87, 157
Decimal	7231389
CIELab	42.10, 25.20, -34.82
CIELCh	42, 42.987, 305.897
Yxy	12.5657, 0.2570, 0.2028
Android (android.graphics.Color)	4285421469 (0xFF6E579D)
YUV	101.8570, 27.1855, 7.1414
Hunter-Lab	35.4481, 18.1535, -31.1918

Details

The XYZ color **15.9244, 12.5657, 33.4844** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.6090, 29.8706, 13.5385**, and the grayscale version is **12.5254, 13.1777, 14.3505**.

A 20% lighter version of the original color is **35.9336, 30.4313, 66.2673**, and **5.1464, 3.5356, 13.7758** is the 20% darker color. If you saturate the color by 10%, you get **13.5544, 9.6580, 33.0483**, and if you desaturate by 10%, it is **18.7278, 16.1077, 34.0205**.

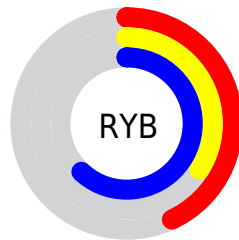
Distribution



Red (43%)

Green (34%)

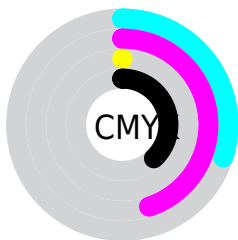
Blue (62%)



Red (43%)

Yellow (34%)

Blue (62%)

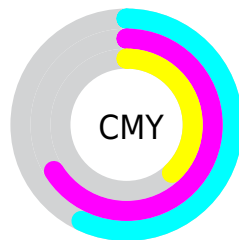


Cyan (30%)

Magenta (45%)

Yellow (0%)

Black (38%)



Cyan (57%)

Magenta (66%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9244, 12.5657, 33.4844 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 15.9244, 12.5657, 33.4844 by changing the saturation by 10% instead.

■ 15.9244, 12.5657,
33.4844

■ 15.9244, 12.5657,
33.4844

222.1744,
208.1152, 332.5256

■ 9.5612, 7.1302,
22.2236

■ 36.0254, 30.5213,
66.2558

■ 5.1690, 3.5436,
13.8214

■ 50.4939, 43.8102,
88.6034

■ 2.3825, 1.4217,
7.8592

■ 68.3949, 60.4856,
115.4838

■ 0.8364, 0.2326,
3.9185

■ 90.0937, 80.9320,
147.3155

■ 0.0000, 0.0000,
1.5808

■ 115.9557,
105.5338, 184.5170

■ 0.0000, 0.0000,
0.2770

146.3463,

■ 0.0000, 0.0000,

134.6753, 227.5068

0.0000

181.6307,
168.7410, 276.7034

■ 15.9244, 12.5657,
33.4844

■ 15.9244, 12.5657,
33.4844

■ 13.5544, 9.6580,
33.0483

■ 18.7278, 16.1077,
34.0205

■ 11.5929, 7.3441,
32.7051

■ 21.9849, 20.3182,
34.6616

■ 10.0143, 5.5810,
32.4479

■ 25.7163, 25.2305,
35.4131

■ 8.7892, 4.3190,
32.2689

■ 29.9409, 30.8755,
36.2800

■ 7.8824, 3.4975,
32.1581

■ 34.6764, 37.2820,
37.2670

■ 7.4809, 3.1535,
32.1129

■ 39.9398, 44.4772,
38.3784

■ 45.7471, 52.4871,
39.6184

■ 52.1138, 61.3364,
40.9909

■ 59.0546, 71.0489,
42.4998

Harmonies

Analogous

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



12.5864, 12.5657, 39.7444



15.9244, 12.5657, 33.4844



18.4827, 12.5657, 22.2088

Triad

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



15.9244, 12.5657, 33.4844



14.6350, 12.5657, 3.0796



6.8108, 12.5657, 15.5725

Complementary

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



15.9244, 12.5657, 33.4844



23.6090, 29.8706, 13.5385

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.



7.1631, 12.5657, 7.6759



15.9244, 12.5657, 33.4844



11.3225, 12.5657, 2.5761

Square

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



15.9244, 12.5657, 33.4844



17.6501, 12.5657, 5.7351



8.6881, 12.5657, 3.7989



7.6219, 12.5657, 26.8255

Rectangle

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



15.9244, 12.5657, 33.4844



19.1878, 12.5657, 14.9812



8.6881, 12.5657, 3.7989



6.7993, 12.5657, 12.4600

Sweetspot

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



15.9249, 12.5662, 33.4847



47.0131, 46.4573, 63.6160



18.6574, 21.7424, 35.1119



10.0191, 9.7902, 13.9320



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.9249, 12.5662, 33.4847



24.0991, 17.0853, 59.1544



21.0251, 15.1954, 33.7234



6.4798, 6.5358, 8.3267



6.1115, 2.5796, 26.0830



0.1513, 0.0678, 0.4683

Inverse Universe

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



21.6162, 15.7061, 24.4467



35.9399, 23.6342, 39.6175



19.0147, 27.5022, 13.3235



6.8114, 6.7175, 7.8579



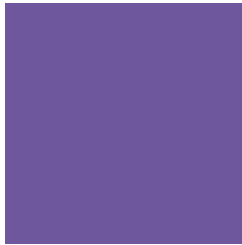
13.3988, 6.6641, 11.6172



0.2582, 0.1266, 0.3058

Previews

White Background



This preview shows how the XYZ color 15.9244, 12.5657, 33.4844 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 15.9244, 12.5657, 33.4844 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 15.9244, 12.5657, 33.4844

Background



This preview shows how black text looks on a background with the XYZ color 15.9244, 12.5657, 33.4844.



This preview shows how white text looks on a background with the XYZ color 15.9244, 12.5657,

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

15.9244, 12.5657, 33.4844

Protanopia

13.7562, 12.6422, 37.7915

Deuteranopia

12.8931, 12.5964, 32.3237



Tritanopia

12.2247, 12.4853, 15.4013

Trichromacy



Original Color

15.9244, 12.5657, 33.4844

Protanomaly

14.2715, 12.4043, 36.2924

Deuteranomaly

13.7549, 12.4823, 32.6947

Tritanomaly

13.4133, 12.4291, 21.0941

Monochromacy



Original Color

15.9244, 12.5657, 33.4844

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.6132, 12.9578, 20.1960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9244, 12.5657, 33.4844 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(110, 87, 157)` looks like.

```
.text, #text, p{  
    color:rgb(110, 87, 157)  
}
```

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(110, 87, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 87, 157) }
```

Border

The CSS property to change the border of an element to XYZ 15.9244, 12.5657, 33.4844 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(110, 87, 157) }
```


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

```
.border{ border-color:rgb(110, 87, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 87, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 87, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 87, 157);  
box-shadow:4px 4px 4px 4px rgb(110, 87,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9244, 12.5657, 33.4844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 87, 157) }
```

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

```
.background{ background-color: rgb(110, 87,  
157) }
```

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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