

Converting Colors

XYZ(15.7990, 14.2196, 32.8553)

Have a look what the booklet for
XYZ(15.7990, 14.2196, 32.8553)
contains.

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Color

**XYZ(15.8404, 14.2476,
32.9255)**

Conversions

Conversions Part 1

Format	Color
Hex	65649B
RGB	101, 100, 155
RGB Percent	40%, 39%, 61%
CMY	0.6039, 0.6078, 0.3922
CMYK	0.35, 0.35, 0.00, 0.39
HSL	241°, 22%, 50%
HSV	241°, 35%, 61%
XYZ	15.8404, 14.2476, 32.9255
YIQ	106.5690, -17.0590, 17.3170

Conversions

Conversions Part 2

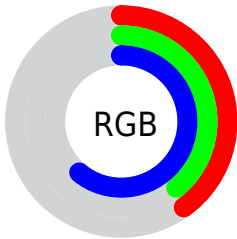
Format	Color
R_{YB}	101, 100, 155
Decimal	6644891
CIE _{Lab}	44.59, 14.01, -29.78
CIE _{LCh}	45, 32.914, 295.192
Yxy	14.2476, 0.2514, 0.2261
Android (android.graphics.Color)	4284834971 (0xFF65649B)
YUV	106.5690, 23.8765, -4.8840
Hunter-Lab	37.7460, 8.8534, -25.2960

Details

The XYZ color **15.8404, 14.2476, 32.9255** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.3482, 31.2330, 16.6443**, and the grayscale version is **13.7960, 14.5145, 15.8063**.

A 20% lighter version of the original color is **36.0259, 33.6564, 65.5703**, and **5.1326, 4.3214, 13.3956** is the 20% darker color. If you saturate the color by 10%, you get **12.9438, 10.7536, 32.4040**, and if you desaturate by 10%, it is **19.3364, 18.4710, 33.5567**.

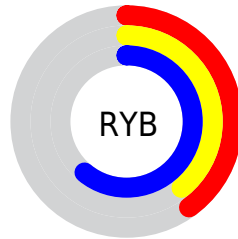
Distribution



Red (40%)

Green (39%)

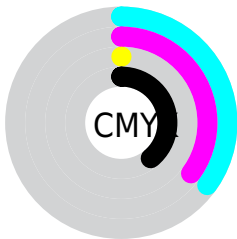
Blue (61%)



Red (40%)

Yellow (39%)

Blue (61%)

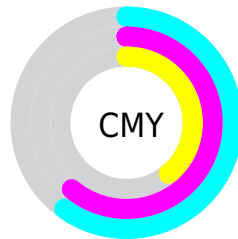


Cyan (35%)

Magenta (35%)

Yellow (0%)

Black (39%)



Cyan (60%)

Magenta (61%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8404, 14.2476, 32.9255 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 15.8404, 14.2476, 32.9255 by changing the saturation by 10% instead.

■ 15.8404, 14.2476,
32.9255

■ 15.8404, 14.2476,
32.9255

221.6871,
218.7658, 329.9356

■ 9.5014, 8.2931,
21.7987

■ 35.8806, 33.5277,
65.3739

■ 5.1294, 4.2830,
13.5122

■ 50.3125, 47.6221,
87.5325

■ 2.3589, 1.8331,
7.6473

■ 68.1728, 65.1986,
114.2056

■ 0.8246, 0.5077,
3.7856

■ 89.8268, 86.6415,
145.8116

■ 0.0000, 0.0000,
1.5085

115.6399,
112.3353, 182.7691

■ 0.0000, 0.0000,
0.2242

145.9774,

■ 0.0000, 0.0000,

142.6643, 225.4965

0.0000

181.2046,
178.0130, 274.4125

■ 15.8404, 14.2476,
32.9255

■ 15.8404, 14.2476,
32.9255

■ 12.9438, 10.7536,
32.4040

■ 19.3364, 18.4710,
33.5567

■ 10.6115, 7.9463,
31.9851

■ 23.4612, 23.4601,
34.3023

■ 8.8072, 5.7809,
31.6622

■ 28.2440, 29.2508,
35.1679

■ 7.4898, 4.2066,
31.4278

■ 33.7120, 35.8763,
36.1586

■ 6.6118, 3.1653,
31.2731

■ 39.8906, 43.3676,
37.2789

■ 6.1138, 2.5811,
31.1866

■ 46.8039, 51.7546,
38.5334

■ 5.9517, 2.3848,
31.1572

■ 54.4752, 61.0654,
39.9262

■ 62.9263, 71.3270,
41.4615

■ 72.1784, 82.5653,
43.1431

Harmonies

Analogous

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



13.1173, 14.2476, 35.1940



15.8404, 14.2476, 32.9255



18.1961, 14.2476, 25.4797

Triad

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



15.8404, 14.2476, 32.9255



16.6800, 14.2476, 6.3193



9.0536, 14.2476, 14.3163

Complementary

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



15.8404, 14.2476, 32.9255



27.3482, 31.2330, 16.6443

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.



9.7579, 14.2476, 8.5578



15.8404, 14.2476, 32.9255



13.9756, 14.2476, 5.0085

Square

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



15.8404, 14.2476, 32.9255



18.7237, 14.2476, 10.0711



11.4773, 14.2476, 5.6676



9.4170, 14.2476, 22.6296

Rectangle

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



15.8404, 14.2476, 32.9255



19.1198, 14.2476, 19.5710



11.4773, 14.2476, 5.6676



9.1704, 14.2476, 12.0591

Sweetspot

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



15.8409, 14.2481, 32.9258



45.5252, 46.2616, 62.0662



22.7416, 28.2149, 35.2580



10.0671, 10.1838, 14.0054



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.



15.8409, 14.2481, 32.9258



23.9627, 20.2008, 58.1725



19.4389, 16.1030, 33.0942



5.8943, 6.0314, 7.7825



4.7840, 1.9173, 25.0256



0.0739, 0.0299, 0.3742

Inverse Universe

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



23.9078, 18.4164, 32.8665



40.7301, 28.8661, 57.9915



22.7124, 28.8432, 16.4273



6.4564, 6.3217, 7.7834



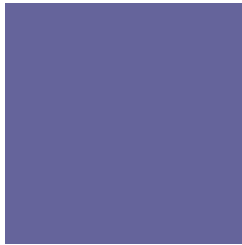
15.4230, 7.4234, 24.5504



0.2319, 0.1115, 0.3740

Previews

White Background



This preview shows how the XYZ color 15.8404, 14.2476, 32.9255 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 15.8404, 14.2476, 32.9255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

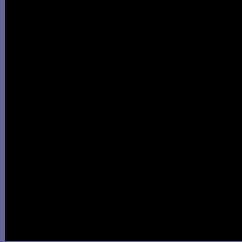
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8404, 14.2476, 32.9255

Background



This preview shows how black text looks on a background with the XYZ color 15.8404, 14.2476, 32.9255.

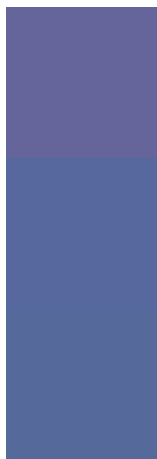


This preview shows how white text looks on a background with the XYZ color 15.8404, 14.2476,

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

15.8404, 14.2476, 32.9255

Protanopia

15.0523, 14.3955, 34.3330

Deuteranopia

14.6306, 14.3675, 32.5739



Tritanopia

12.9286, 14.2614, 18.5943

Trichromacy



Original Color

15.8404, 14.2476, 32.9255

Protanomaly

15.3497, 14.4101, 33.8707

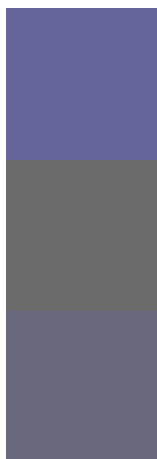
Deuteranomaly

14.9974, 14.2577, 32.5334

Tritanomaly

13.8002, 14.1478, 23.1225

Monochromacy



Original Color

15.8404, 14.2476, 32.9255

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.4141, 14.3591, 21.0807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8404, 14.2476, 32.9255 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(101, 100, 155)` looks like.

```
.text, #text, p{  
    color:rgb(101, 100, 155)  
}
```

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(101, 100, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 100, 155) }
```

Border

The CSS property to change the border of an element to XYZ 15.8404, 14.2476, 32.9255 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(101, 100, 155) }
```


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

```
.border{ border-color:rgb(101, 100, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 100, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 100, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 100, 155);  
box-shadow:4px 4px 4px 4px rgb(101, 100,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8404, 14.2476, 32.9255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 100, 155) }
```

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

```
.background{ background-color: rgb(101,  
100, 155) }
```

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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