

Converting Colors

XYZ(16.7295, 15.6112, 32.2685)

Have a look what the booklet for
XYZ(16.7295, 15.6112, 32.2685)
contains.

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Color

**XYZ(16.7295, 15.6112,
32.2685)**

Conversions

Conversions Part 1

Format	Color
Hex	696A99
RGB	105, 106, 153
RGB Percent	41%, 42%, 60%
CMY	0.5882, 0.5843, 0.4000
CMYK	0.31, 0.31, 0.00, 0.40
HSL	239°, 19%, 51%
HSV	239°, 31%, 60%
XYZ	16.7295, 15.6112, 32.2685
YIQ	111.0590, -15.6830, 14.4050

Conversions

Conversions Part 2

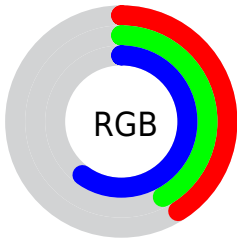
Format	Color
RYB	105, 106, 153
Decimal	6908569
CIELab	46.46, 10.99, -25.65
CIELCh	46, 27.906, 293.183
Yxy	15.6112, 0.2589, 0.2416
Android (android.graphics.Color)	4285098649 (0xFF696A99)
YUV	111.0590, 20.6769, -5.3137
Hunter-Lab	39.5110, 6.4351, -20.7642

Details

The XYZ color **16.7295, 15.6112, 32.2685** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.9153, 30.2491, 17.7853**, and the grayscale version is **15.0721, 15.8570, 17.2683**.

A 20% lighter version of the original color is **37.3468, 35.8361, 64.6232**, and **5.5931, 4.9280, 13.2268** is the 20% darker color. If you saturate the color by 10%, you get **13.6802, 11.9444, 31.7217**, and if you desaturate by 10%, it is **20.3729, 19.9854, 32.9210**.

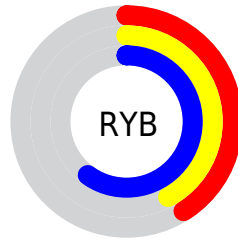
Distribution



Red (41%)

Green (42%)

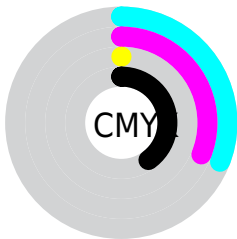
Blue (60%)



Red (41%)

Yellow (42%)

Blue (60%)

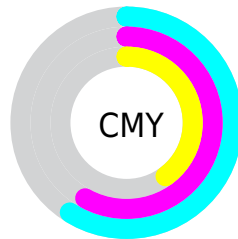


Cyan (31%)

Magenta (31%)

Yellow (0%)

Black (40%)



Cyan (59%)

Magenta (58%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7295, 15.6112, 32.2685 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 16.7295, 15.6112, 32.2685 by changing the saturation by 10% instead.

■ 16.7295, 15.6112,
32.2685

■ 16.7295, 15.6112,
32.2685

226.7955,
227.0364, 326.8709

■ 10.1359, 9.2495,
21.3002

■ 37.4074, 35.9219,
64.3346

■ 5.5521, 4.9042,
13.1502

■ 52.2225, 50.6396,
86.2694

■ 2.6128, 2.1912,
7.4001

■ 70.5087, 68.9115,
112.6967

■ 0.9525, 0.7152,
3.6313

■ 92.6315, 91.1219,
144.0352

■ 0.0000, 0.0000,
1.4254

118.9563,
117.6552, 180.7033

■ 0.0000, 0.0000,
0.1614

149.8482,

■ 0.0000, 0.0000,

148.8958, 223.1196

0.0000

185.6729,
185.2280, 271.7026

■ 16.7295, 15.6112,
32.2685

■ 16.7295, 15.6112,
32.2685

■ 13.6802, 11.9444,
31.7217

■ 20.3729, 19.9854,
32.9210

■ 11.1921, 8.9461,
31.2741

■ 24.6379, 25.0994,
33.6834

■ 9.2313, 6.5765,
30.9201

■ 29.5522, 30.9858,
34.5605

■ 7.7600, 4.7910,
30.6530

■ 35.1413, 37.6750,
35.5571

■ 6.7350, 3.5389,
30.4653

■ 41.4294, 45.1954,
36.6773

■ 6.1058, 2.7610,
30.3484

■ 48.4394, 53.5741,
37.9251

■ 5.7844, 2.3691,
30.2897

■ 56.1933, 62.8372,
39.3043

■ 64.7121, 73.0094,
40.8188

■ 74.0159, 84.1146,
42.4719

Harmonies

Analogous

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



14.2970, 15.6112, 33.7843



16.7295, 15.6112, 32.2685



18.8467, 15.6112, 26.2101

Triad

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



16.7295, 15.6112, 32.2685



17.7783, 15.6112, 8.4621



10.7119, 15.6112, 15.4772

Complementary

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



16.7295, 15.6112, 32.2685



26.9153, 30.2491, 17.7853

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.



11.4422, 15.6112, 10.2452



16.7295, 15.6112, 32.2685



15.3924, 15.6112, 6.9636

Square

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



16.7295, 15.6112, 32.2685



19.4964, 15.6112, 12.3085



13.0947, 15.6112, 7.5146



10.9878, 15.6112, 22.7487

Rectangle

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



16.7295, 15.6112, 32.2685



19.7074, 15.6112, 21.1148



13.0947, 15.6112, 7.5146



10.8450, 15.6112, 13.4543

Sweetspot

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



16.7300, 15.6118, 32.2689



45.9526, 47.1417, 60.6493



22.8358, 28.0335, 33.6565



9.8974, 10.1105, 13.3474



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.



16.7300, 15.6118, 32.2689



25.8311, 22.9932, 57.0487



19.6140, 16.9465, 32.3745



5.8943, 6.0459, 7.7853



4.7838, 1.9642, 25.0347



0.0739, 0.0342, 0.3751

Inverse Universe

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



20.7904, 17.9166, 15.9987



34.3439, 27.8513, 22.9316



23.2397, 28.5962, 17.6600



6.2137, 6.2247, 6.5057



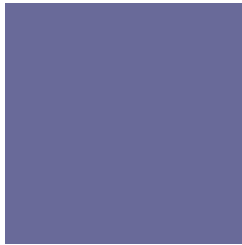
10.8734, 5.6036, 0.5924



0.1638, 0.0843, 0.0153

Previews

White Background



This preview shows how the XYZ color 16.7295, 15.6112, 32.2685 looks on a white background.

Color Contrast Check

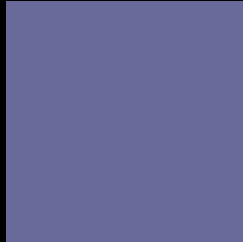
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7295, 15.6112, 32.2685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

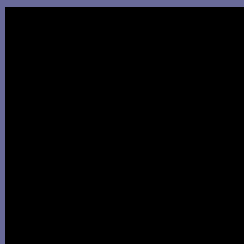
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7295, 15.6112, 32.2685

Background



This preview shows how black text looks on a background with the XYZ color 16.7295, 15.6112, 32.2685.



This preview shows how white text looks on a background with the XYZ color 16.7295, 15.6112,

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

16.7295, 15.6112, 32.2685

Protanopia

16.1028, 15.5785, 33.1686

Deuteranopia

15.9600, 15.6911, 31.8933



Tritanopia

14.2824, 15.5655, 20.3408

Trichromacy



Original Color

16.7295, 15.6112, 32.2685

Protanomaly

16.2360, 15.5011, 32.7081

Deuteranomaly

16.1756, 15.6448, 31.8730

Tritanomaly

15.1764, 15.6120, 24.4038

Monochromacy



Original Color

16.7295, 15.6112, 32.2685

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.5412, 15.6948, 21.9490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7295, 15.6112, 32.2685 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, 106, 153)` looks like.

```
.text, #text, p{  
    color:rgb(105, 106, 153)  
}
```

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, 106, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 106, 153) }
```

Border

The CSS property to change the border of an element to XYZ 16.7295, 15.6112, 32.2685 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, 106, 153) }
```


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

```
.border{ border-color:rgb(105, 106, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 106, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 106, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 106, 153);  
box-shadow:4px 4px 4px 4px rgb(105, 106,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7295, 15.6112, 32.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 106, 153) }
```

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

```
.background{ background-color: rgb(105,  
106, 153) }
```

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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