

Converting Colors

XYZ(16.5854, 13.2890, 31.6625)

Have a look what the booklet for
XYZ(16.5854, 13.2890, 31.6625)
contains.

XYZ(16.6084, 13.3252, 31.8337)	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(16.6084, 13.3252,
31.8337)**

Conversions

Conversions Part 1

Format	Color
Hex	745A99
RGB	116, 90, 153
RGB Percent	45%, 35%, 60%
CMY	0.5451, 0.6471, 0.4000
CMYK	0.24, 0.41, 0.00, 0.40
HSL	265°, 26%, 48%
HSV	265°, 41%, 60%
XYZ	16.6084, 13.3252, 31.8337
YIQ	104.9560, -4.7270, 25.1050

Conversions

Conversions Part 2

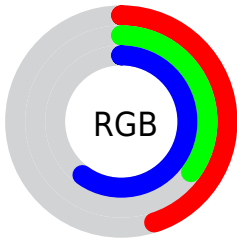
Format	Color
R_{YB}	116, 90, 153
Decimal	7625369
CIE _{Lab}	43.25, 24.15, -30.59
CIE _{LCh}	43, 38.971, 308.291
Yxy	13.3252, 0.2689, 0.2157
Android (android.graphics.Color)	4285815449 (0xFF745A99)
YUV	104.9560, 23.6857, 9.6856
Hunter-Lab	36.5037, 17.3322, -26.1523

Details

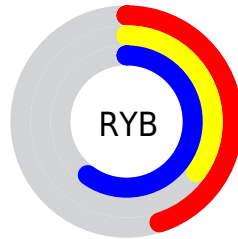
The XYZ color **16.6084, 13.3252, 31.8337** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **21.9894, 28.0330, 13.9252**, and the grayscale version is **13.3546, 14.0501, 15.3005**.

A 20% lighter version of the original color is **37.1254, 31.7452, 63.8452**, and **5.5457, 3.9189, 13.0345** is the 20% darker color. If you saturate the color by 10%, you get **14.3111, 10.4186, 31.3940**, and if you desaturate by 10%, it is **19.2879, 16.8238, 32.3680**.

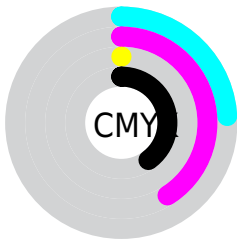
Distribution



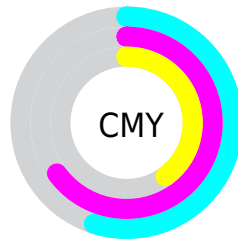
- Red (45%)
- Green (35%)
- Blue (60%)



- Red (45%)
- Yellow (35%)
- Blue (60%)



- Cyan (24%)
- Magenta (41%)
- Yellow (0%)
- Black (40%)



- Cyan (55%)
- Magenta (65%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6084, 13.3252, 31.8337 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 16.6084, 13.3252, 31.8337 by changing the saturation by 10% instead.

■ 16.6084, 13.3252,
31.8337

■ 16.6084, 13.3252,
31.8337

226.1060,
212.9914, 324.8304

■ 10.0493, 7.6529,
20.9707

■ 37.2002, 31.8868,
63.6452

■ 5.4941, 3.8736,
12.9116

■ 51.9636, 45.5448,
85.4308

■ 2.5777, 1.6031,
7.2377

■ 70.1925, 62.6336,
111.6943

■ 0.9346, 0.3597,
3.5305

■ 92.2521, 83.5374,
142.8544

■ 0.0000, 0.0000,
1.3715

■ 118.5079,
108.6407, 179.3294

■ 0.0000, 0.0000,
0.1193

149.3253,

■ 0.0000, 0.0000,

138.3279, 221.5381

0.0000

185.0695,
172.9833, 269.8989

■ 16.6084, 13.3252,
31.8337

■ 16.6084, 13.3252,
31.8337

■ 14.3111, 10.4186,
31.3940

■ 19.2879, 16.8238,
32.3680

■ 12.3749, 8.0677,
31.0423

■ 22.3662, 20.9443,
33.0011

■ 10.7785, 6.2350,
30.7726

■ 25.8608, 25.7167,
33.7381

■ 9.4976, 4.8770,
30.5780

■ 29.7875, 31.1683,
34.5834

■ 8.5042, 3.9432,
30.4502

■ 34.1614, 37.3251,
35.5412

■ 7.8090, 3.3615,
30.3745

■ 38.9966, 44.2116,
36.6156

■ 44.3069, 51.8509,
37.8103

■ 50.1052, 60.2654,
39.1288

■ 56.4040, 69.4763,
40.5747

Harmonies

Analogous

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



13.5198, 13.3252, 37.9240



16.6084, 13.3252, 31.8337



18.8518, 13.3252, 21.5585

Triad

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



16.6084, 13.3252, 31.8337



14.9332, 13.3252, 3.9035



7.7505, 13.3252, 17.0374

Complementary

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



16.6084, 13.3252, 31.8337



21.9894, 28.0330, 13.9252

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.



8.0060, 13.3252, 9.1927



16.6084, 13.3252, 31.8337



11.8474, 13.3252, 3.4998

Square

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



16.6084, 13.3252, 31.8337



17.7827, 13.3252, 6.4601



9.4015, 13.3252, 4.9888



8.6378, 13.3252, 27.4223

Rectangle

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



16.6084, 13.3252, 31.8337



19.3896, 13.3252, 15.0098



9.4015, 13.3252, 4.9888



7.7088, 13.3252, 14.0192

Sweetspot

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



16.6089, 13.3257, 31.8340



45.6126, 45.0910, 60.2714



17.6597, 19.8602, 33.0399



9.9052, 9.7278, 13.2731



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.



16.6089, 13.3257, 31.8340



26.0910, 19.2326, 56.3091



21.3852, 15.7880, 32.0575



6.1139, 6.1446, 7.7928



6.4902, 2.7969, 25.1055



0.1369, 0.0624, 0.3772

Inverse Universe

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



20.6241, 15.6173, 22.0063



34.4531, 24.0133, 35.4733



18.0926, 26.0241, 13.7429



6.3533, 6.2805, 7.2405



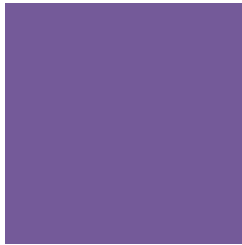
12.3944, 6.2120, 8.6020



0.2033, 0.1001, 0.2236

Previews

White Background



This preview shows how the XYZ color 16.6084, 13.3252, 31.8337 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 16.6084, 13.3252, 31.8337 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 16.6084, 13.3252, 31.8337

Background



This preview shows how black text looks on a background with the XYZ color 16.6084, 13.3252, 31.8337.



This preview shows how white text looks on a background with the XYZ color 16.6084, 13.3252,

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

16.6084, 13.3252, 31.8337

Protanopia

14.3032, 13.3852, 36.0122

Deuteranopia

13.8170, 13.5309, 31.1617



Tritanopia

13.4483, 13.3852, 16.0622

Trichromacy



Original Color

16.6084, 13.3252, 31.8337

Protanomaly

14.8545, 13.1443, 34.5551

Deuteranomaly

14.6513, 13.3820, 31.5166

Tritanomaly

14.3765, 13.2005, 20.8590

Monochromacy



Original Color

16.6084, 13.3252, 31.8337

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.3767, 13.7707, 20.3126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6084, 13.3252, 31.8337 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(116, 90, 153)` looks like.

```
.text, #text, p{  
    color:rgb(116, 90, 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(116, 90, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 90, 153) }
```

Border

The CSS property to change the border of an element to XYZ 16.6084, 13.3252, 31.8337 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(116, 90, 153) }
```


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

```
.border{ border-color:rgb(116, 90, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 90, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 90, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 90, 153);  
box-shadow:4px 4px 4px 4px rgb(116, 90,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6084, 13.3252, 31.8337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 90, 153) }
```

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

```
.background{ background-color: rgb(116, 90,  
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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