

Converting Colors

XYZ(16.2825, 17.7384, 13.5956)

Have a look what the booklet for
XYZ(16.2825, 17.7384, 13.5956)
contains.

XYZ(16.3355, 17.7945, 13.6400)	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(16.3355, 17.7945,
13.6400)**

Conversions

Conversions Part 1

Format	Color
Hex	787660
RGB	120, 118, 96
RGB Percent	47%, 46%, 38%
CMY	0.5294, 0.5372, 0.6235
CMYK	0.00, 0.02, 0.20, 0.53
HSL	55°, 11%, 42%
HSV	55°, 20%, 47%
XYZ	16.3355, 17.7945, 13.6400
YIQ	116.0900, 8.2540, -6.4180

Conversions

Conversions Part 2

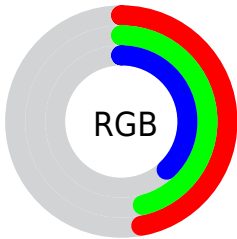
Format	Color
RYB	98, 120, 96
Decimal	7894624
CIELab	49.25, -3.24, 12.42
CIElCh	49, 12.836, 104.615
Yxy	17.7945, 0.3420, 0.3725
Android (android.graphics.Color)	4286084704 (0xFF787660)
YUV	116.0900, -9.9044, 3.4291
Hunter-Lab	42.1835, -4.6973, 10.3571

Details

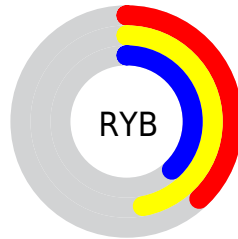
The XYZ color **16.3355, 17.7945, 13.6400** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5816, 12.5779, 19.5341**, and the grayscale version is **16.6561, 17.5235, 19.0831**.

A 20% lighter version of the original color is **36.6544, 39.6267, 33.3206**, and **5.3644, 5.9502, 3.8834** is the 20% darker color. If you saturate the color by 10%, you get **15.7079, 17.3569, 10.9100**, and if you desaturate by 10%, it is **17.0497, 18.2699, 16.8154**.

Distribution



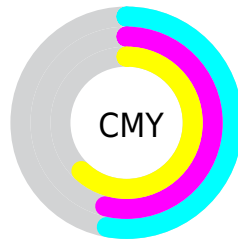
- Red (47%)
- Green (46%)
- Blue (38%)



- Red (38%)
- Yellow (47%)
- Blue (38%)



- Cyan (0%)
- Magenta (2%)
- Yellow (20%)
- Black (53%)



- Cyan (53%)
- Magenta (54%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3355, 17.7945, 13.6400 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 16.3355, 17.7945, 13.6400 by changing the saturation by 10% instead.

■ 16.3355, 17.7945,
13.6400

■ 16.3355, 17.7945,
13.6400

224.5451,
239.7102, 226.3296

■ 9.8542, 10.8025,
7.7348

■ 36.7324, 39.6868,
33.1568

■ 5.3639, 5.9342,
3.8404

■ 51.3788, 55.3560,
47.6054

■ 2.4993, 2.8051,
1.5382

■ 69.4776, 74.6864,
65.7390

■ 0.8949, 1.0309,
0.2461

■ 91.3941, 98.0624,
87.9761

■ 0.0000, 0.0000,
0.0000

117.4938,
125.8684, 114.7351

148.1419,

158.4887, 146.4347

183.7039,
196.3079, 183.4933

■ 16.3355, 17.7945,
13.6400

■ 16.3355, 17.7945,
13.6400

■ 15.7079, 17.3569,
10.9100

■ 17.0497, 18.2699,
16.8154

■ 15.1616, 16.9532,
8.6042

■ 17.8525, 18.7822,
20.4540

■ 14.6930, 16.5826,
6.7014

■ 18.7480, 19.3336,
24.5738

■ 14.2976, 16.2432,
5.1781

■ 19.7391, 19.9252,
29.1916

■ 13.9705, 15.9331,
4.0082

■ 20.8291, 20.5584,
34.3233

■ 13.7061, 15.6500,
3.1626

■ 22.0208, 21.2343,
39.9843

■ 13.4980, 15.3914,
2.6073

■ 23.3169, 21.9540,
46.1892

■ 13.3233, 15.1482,
2.2217

■ 24.7202, 22.7185,
52.9521

■ 13.3233, 15.1481,
2.2217

■ 26.2331, 23.5291,
60.2864

Harmonies

Analogous

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



17.5350, 17.7945, 13.6583



16.3355, 17.7945, 13.6400



15.3382, 17.7945, 15.0271

Triad

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



16.3355, 17.7945, 13.6400



15.3176, 17.7945, 24.4166



19.2457, 17.7945, 21.1885

Complementary

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



16.3355, 17.7945, 13.6400



12.5816, 12.5779, 19.5341

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.



18.5923, 17.7945, 24.4902



16.3355, 17.7945, 13.6400



16.3062, 17.7945, 26.4991

Square

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



16.3355, 17.7945, 13.6400



14.7698, 17.7945, 21.0973



17.5042, 17.7945, 26.5275



19.2544, 17.7945, 17.7494

Rectangle

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



16.3355, 17.7945, 13.6400



14.9060, 17.7945, 16.6688



17.5042, 17.7945, 26.5275



19.0928, 17.7945, 22.3598

Sweetspot

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



16.3360, 17.7953, 13.6404



30.5122, 32.4725, 31.9424



14.1334, 13.2409, 13.3663



7.2149, 7.6853, 7.4966



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.3360, 17.7953, 13.6404



28.2067, 30.9370, 21.6923



15.2584, 17.5926, 13.6581



4.2806, 4.5796, 4.2828



14.5300, 16.5159, 2.4221



69.0081, 78.1796, 11.4531

Inverse Universe

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



12.5816, 12.5779, 19.5341



20.3404, 20.0057, 34.0425



13.5171, 12.7862, 19.5250



3.8220, 3.9423, 5.0027



3.8114, 1.7051, 19.5135



17.9104, 7.5934, 92.9915

Previews

White Background



This preview shows how the XYZ color 16.3355, 17.7945, 13.6400 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 16.3355, 17.7945, 13.6400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

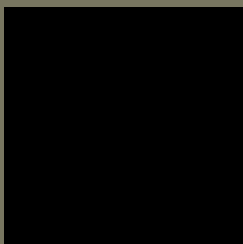
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

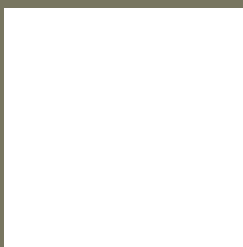
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3355, 17.7945, 13.6400

Background



This preview shows how black text looks on a background with the XYZ color 16.3355, 17.7945, 13.6400.



This preview shows how white text looks on a background with the XYZ color 16.3355, 17.7945,

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

16.3355, 17.7945, 13.6400

Protanopia

16.7390, 17.8339, 13.3865

Deuteranopia

17.9435, 17.6023, 13.7611



Tritanopia

17.9046, 17.7498, 21.2213

Trichromacy



Original Color

16.3355, 17.7945, 13.6400

Protanomaly

16.5952, 17.7598, 13.3798

Deuteranomaly

17.3809, 17.6435, 13.7987

Tritanomaly

17.2797, 17.6647, 18.1217

Monochromacy



Original Color

16.3355, 17.7945, 13.6400

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.4577, 17.6086, 16.9994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3355, 17.7945, 13.6400 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(120, 118, 96)` looks like.

```
.text, #text, p{  
    color:rgb(120, 118, 96)  
}
```

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(120, 118, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 118, 96) }
```

Border

The CSS property to change the border of an element to XYZ 16.3355, 17.7945, 13.6400 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(120, 118, 96) }
```


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

```
.border{ border-color:rgb(120, 118, 96) }
```

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

Here you see how a box with a 4 pixel rgb(120, 118, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 118, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 118, 96);  
box-shadow:4px 4px 4px 4px rgb(120, 118,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3355, 17.7945, 13.6400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 118, 96) }
```

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

```
.background{ background-color: rgb(120,  
118, 96) }
```

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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