

Converting Colors

XYZ(17.7111, 12.5063, 41.5249)

Have a look what the booklet for
XYZ(17.7111, 12.5063, 41.5249)
contains.

XYZ(17.7111, 12.5063, 41.5249)	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(17.7111, 12.5063,
41.5249)**

Conversions

Conversions Part 1

Format	Color
Hex	7450AE
RGB	116, 80, 174
RGB Percent	45%, 31%, 68%
CMY	0.5451, 0.6863, 0.3176
CMYK	0.33, 0.54, 0.00, 0.32
HSL	263°, 37%, 50%
HSV	263°, 54%, 68%
XYZ	17.7111, 12.5063, 41.5249
YIQ	101.4800, -8.7180, 36.8660

Conversions

Conversions Part 2

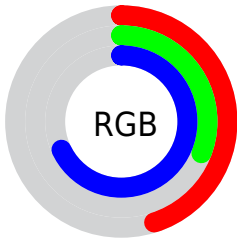
Format	Color
R _Y B	116, 80, 174
Decimal	7622830
CIE Lab	42.01, 35.55, -45.02
CIE LCh	42, 57.361, 308.292
Yxy	12.5063, 0.2469, 0.1743
Android (android.graphics.Color)	4285812910 (0xFF7450AE)
YUV	101.4800, 35.7524, 12.7340
Hunter-Lab	35.3642, 27.5088, -44.8637

Details

The XYZ color **17.7111, 12.5063, 41.5249** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **27.0653, 36.2547, 13.1611**, and the grayscale version is **12.4061, 13.0522, 14.2138**.

A 20% lighter version of the original color is **39.0601, 30.3364, 78.6597**, and **6.0449, 3.5250, 18.4509** is the 20% darker color. If you saturate the color by 10%, you get **15.2526, 9.5865, 41.0911**, and if you desaturate by 10%, it is **20.6654, 16.1718, 42.0769**.

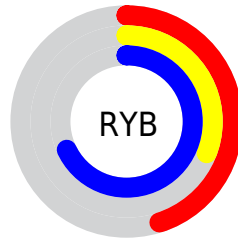
Distribution



Red (45%)

Green (31%)

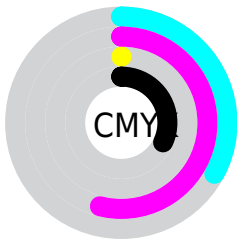
Blue (68%)



Red (45%)

Yellow (31%)

Blue (68%)

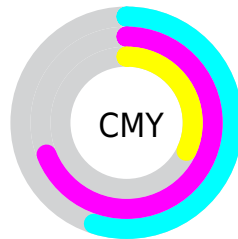


Cyan (33%)

Magenta (54%)

Yellow (0%)

Black (32%)



Cyan (55%)

Magenta (69%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7111, 12.5063, 41.5249 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 17.7111, 12.5063, 41.5249 by changing the saturation by 10% instead.

■ 17.7111, 12.5063,
41.5249

■ 17.7111, 12.5063,
41.5249

232.3148,
207.7289, 368.2511

■ 10.8412, 7.0895,
28.4067

■ 39.0784, 30.4139,
78.7424

■ 6.0267, 3.5181,
18.3907

■ 54.3065, 43.6735,
103.6787

■ 2.9021, 1.4078,
11.0585

■ 73.0513, 60.3162,
133.3915

■ 1.1022, 0.2225,
5.9916

■ 95.6784, 80.7263,
168.2993

■ 0.0270, 0.0000,
2.7712

■ 122.5528,
105.2882, 208.8206

■ 0.0000, 0.0000,
0.9790

154.0402,

■ 0.0000, 0.0000,

134.3863, 255.3739

0.0000

190.5057,
168.4051, 308.3779

■ 17.7111, 12.5063,
41.5249

■ 17.7111, 12.5063,
41.5249

■ 15.2526, 9.5865,
41.0911

■ 20.6654, 16.1718,
42.0769

■ 13.2568, 7.3560,
40.7658

■ 24.1427, 20.6309,
42.7544

■ 11.6884, 5.7525,
40.5390

■ 28.1695, 25.9289,
43.5647

■ 10.5051, 4.7006,
40.3983

■ 32.7704, 32.1073,
44.5148

■ 9.9302, 4.2367,
40.3390

■ 37.9681, 39.2048,
45.6108

■ 43.7841, 47.2578,
46.8587

■ 50.2388, 56.3006,
48.2639

■ 57.3517, 66.3658,
49.8318

■ 65.1414, 77.4845,
51.5673

Harmonies

Analogous

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



13.1062, 12.5063, 52.4479



17.7111, 12.5063, 41.5249



21.2226, 12.5063, 24.2511

Triad

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



17.7111, 12.5063, 41.5249



15.1767, 12.5063, 1.3883



5.4903, 12.5063, 17.2835

Complementary

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



17.7111, 12.5063, 41.5249



27.0653, 36.2547, 13.1611

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.



5.7911, 12.5063, 6.6598



17.7111, 12.5063, 41.5249



10.7456, 12.5063, 1.1015

Square

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



17.7111, 12.5063, 41.5249



19.5331, 12.5063, 3.6473



7.5039, 12.5063, 2.2640



6.5528, 12.5063, 33.9067

Rectangle

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



17.7111, 12.5063, 41.5249



22.0824, 12.5063, 14.3274



7.5039, 12.5063, 2.2640



5.4415, 12.5063, 12.9310

Sweetspot

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



17.7116, 12.5068, 41.5252



57.4617, 55.5618, 80.3328



20.2586, 23.3819, 43.4901



12.3901, 11.8355, 17.7758



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



17.7116, 12.5068, 41.5252



26.8276, 16.4263, 74.3935



25.3011, 16.4193, 41.8804



7.8580, 7.9011, 10.0636



7.2643, 3.1048, 29.2609



0.2642, 0.1184, 0.8169

Inverse Universe

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



24.9119, 16.5713, 25.9301



41.7886, 24.8967, 40.8577



21.0514, 33.1545, 12.8797



8.2051, 8.0953, 9.3907



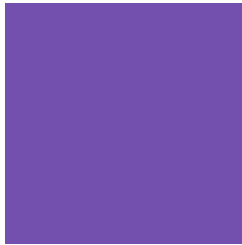
14.6288, 7.3141, 10.9569



0.4326, 0.2137, 0.4396

Previews

White Background



This preview shows how the XYZ color 17.7111, 12.5063, 41.5249 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 17.7111, 12.5063, 41.5249 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 17.7111, 12.5063, 41.5249

Background



This preview shows how black text looks on a background with the XYZ color 17.7111, 12.5063, 41.5249.



This preview shows how white text looks on a background with the XYZ color 17.7111, 12.5063,

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

17.7111, 12.5063, 41.5249

Protanopia

14.6038, 12.6643, 50.3899

Deuteranopia

12.9852, 12.6210, 39.7819



Tritanopia

12.3970, 12.5801, 15.1394

Trichromacy



Original Color

17.7111, 12.5063, 41.5249

Protanomaly

14.9064, 12.1126, 46.8997

Deuteranomaly

13.9375, 12.1467, 40.1380

Tritanomaly

13.8338, 12.2197, 22.7486

Monochromacy



Original Color

17.7111, 12.5063, 41.5249

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.7545, 12.4514, 22.1005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7111, 12.5063, 41.5249 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, 80, 174)` looks like.

```
.text, #text, p{  
    color:rgb(116, 80, 174)  
}
```

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, 80, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 80, 174) }
```

Border

The CSS property to change the border of an element to XYZ 17.7111, 12.5063, 41.5249 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, 80, 174) }
```


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

```
.border{ border-color:rgb(116, 80, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 80, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 80, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 80, 174); box-shadow:4px 4px 4px 4px rgb(116, 80, 174) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7111, 12.5063, 41.5249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 80, 174) }
```

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

```
.background{ background-color: rgb(116, 80,  
174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor