

Converting Colors

XYZ(17.7708, 11.9904, 32.1012)

Have a look what the booklet for
XYZ(17.7708, 11.9904, 32.1012)
contains.

XYZ(17.7310, 12.0037, 31.9543)	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(17.7310, 12.0037,
31.9543)**

Conversions

Conversions Part 1

Format	Color
Hex	84499A
RGB	132, 73, 154
RGB Percent	52%, 29%, 60%
CMY	0.4823, 0.7137, 0.3961
CMYK	0.14, 0.53, 0.00, 0.40
HSL	284°, 36%, 45%
HSV	284°, 53%, 60%
XYZ	17.7310, 12.0037, 31.9543
YIQ	99.8750, 9.1630, 37.6990

Conversions

Conversions Part 2

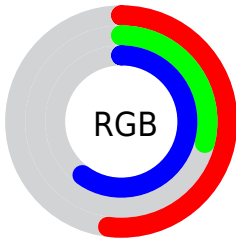
Format	Color
RYB	132, 73, 154
Decimal	8669594
CIELab	41.22, 39.05, -34.25
CIELCh	41, 51.940, 318.745
Yxy	12.0037, 0.2874, 0.1946
Android (android.graphics.Color)	4286859674 (0xFF84499A)
YUV	99.8750, 26.6836, 28.1736
Hunter-Lab	34.6464, 30.7200, -30.4307

Details

The XYZ color **17.7310, 12.0037, 31.9543** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **17.4779, 26.0254, 10.4060**, and the grayscale version is **12.0143, 12.6400, 13.7649**.

A 20% lighter version of the original color is **39.2098, 29.5835, 63.9652**, and **6.0332, 3.3181, 12.8928** is the 20% darker color. If you saturate the color by 10%, you get **16.2007, 9.8945, 31.6280**, and if you desaturate by 10%, it is **19.5389, 14.6285, 32.3658**.

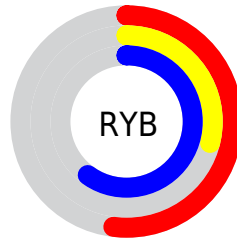
Distribution



Red (52%)

Green (29%)

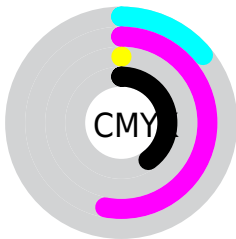
Blue (60%)



Red (52%)

Yellow (29%)

Blue (60%)

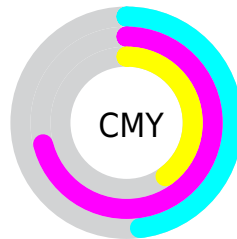


Cyan (14%)

Magenta (53%)

Yellow (0%)

Black (40%)



Cyan (48%)

Magenta (71%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7310, 12.0037, 31.9543 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 17.7310, 12.0037, 31.9543 by changing the saturation by 10% instead.

■ 17.7310, 12.0037,
31.9543

■ 17.7310, 12.0037,
31.9543

232.4255,
204.4298, 325.3973

■ 10.8555, 6.7462,
21.0621

■ 39.1121, 29.5018,
63.8365

■ 6.0364, 3.3039,
12.9777

■ 54.3485, 42.5113,
85.6636

■ 2.9081, 1.2924,
7.2826

■ 73.1025, 58.8735,
111.9727

■ 1.1053, 0.1353,
3.5584

■ 95.7396, 78.9728,
143.1823

■ 0.0296, 0.0000,
1.3863

■ 122.6251,
103.1938, 179.7111

■ 0.0000, 0.0000,
0.1310

154.1243,

■ 0.0000, 0.0000,

131.9206, 221.9774

0.0000

190.6027,
165.5378, 270.4000

■ 17.7310, 12.0037,
31.9543

■ 17.7310, 12.0037,
31.9543

■ 16.2007, 9.8945,
31.6280

■ 19.5389, 14.6285,
32.3658

■ 14.9276, 8.2615,
31.3799

■ 21.6404, 17.8014,
32.8675

■ 13.8903, 7.0621,
31.2031

■ 24.0516, 21.5540,
33.4648

■ 13.0630, 6.2450,
31.0890

■ 26.7870, 25.9148,
34.1623

■ 12.5370, 5.7893,
31.0287

■ 29.8604, 30.9107,
34.9646

■ 33.2843, 36.5669,
35.8759

■ 37.0711, 42.9070,
36.9001

■ 41.2320, 49.9537,
38.0409

■ 45.7782, 57.7285,
39.3020

Harmonies

Analogous

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



13.8857, 12.0037, 43.9825



17.7310, 12.0037, 31.9543



20.0389, 12.0037, 17.5271

Triad

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



17.7310, 12.0037, 31.9543



12.8746, 12.0037, 1.4788



5.8543, 12.0037, 20.8892

Complementary

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



17.7310, 12.0037, 31.9543



17.4779, 26.0254, 10.4060

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.



5.6995, 12.0037, 9.4409



17.7310, 12.0037, 31.9543



9.2461, 12.0037, 1.6481

Square

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



17.7310, 12.0037, 31.9543



16.8526, 12.0037, 2.8830



6.8030, 12.0037, 3.6367



7.2857, 12.0037, 35.5412

Rectangle

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



17.7310, 12.0037, 31.9543



20.1188, 12.0037, 10.1760



6.8030, 12.0037, 3.6367



5.6650, 12.0037, 16.4664

Sweetspot

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



17.7314, 12.0042, 31.9546



46.7390, 43.9929, 61.5644



12.7591, 12.1067, 32.2364



10.3643, 9.6148, 13.8800



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.



17.7314, 12.0042, 31.9546



29.0126, 17.4211, 57.3698



20.1853, 13.4259, 24.9885



6.2975, 6.2393, 7.8014



10.2495, 4.7349, 25.2814



0.1873, 0.0883, 0.3796

Inverse Universe

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



17.7749, 12.4618, 12.2954



29.4540, 18.5537, 16.4986



16.1726, 25.2756, 13.8228



6.2743, 6.2489, 6.8245



11.2087, 5.7377, 2.3582



0.1813, 0.0913, 0.1075

Previews

White Background



This preview shows how the XYZ color 17.7310, 12.0037, 31.9543 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 17.7310, 12.0037, 31.9543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

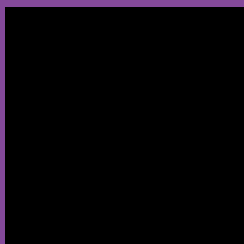
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.7310, 12.0037, 31.9543

Background



This preview shows how black text looks on a background with the XYZ color 17.7310, 12.0037, 31.9543.



This preview shows how white text looks on a background with the XYZ color 17.7310, 12.0037,

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

17.7310, 12.0037, 31.9543

Protanopia

13.5957, 12.2011, 41.6829

Deuteranopia

12.3720, 12.0970, 30.1167



Tritanopia

13.7237, 12.0166, 12.4226

Trichromacy



Original Color

17.7310, 12.0037, 31.9543

Protanomaly

14.2210, 11.5848, 38.0458

Deuteranomaly

13.6917, 11.5935, 30.7943

Tritanomaly

14.8498, 11.8831, 18.0340

Monochromacy



Original Color

17.7310, 12.0037, 31.9543

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.7284, 12.1131, 19.3838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7310, 12.0037, 31.9543 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(132, 73, 154)` looks like.

```
.text, #text, p{  
    color:rgb(132, 73, 154)  
}
```

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(132, 73, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 73, 154) }
```

Border

The CSS property to change the border of an element to XYZ 17.7310, 12.0037, 31.9543 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(132, 73, 154) }
```


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

```
.border{ border-color:rgb(132, 73, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 73, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 73, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 73, 154);  
box-shadow:4px 4px 4px 4px rgb(132, 73,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7310, 12.0037, 31.9543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 73, 154) }
```

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

```
.background{ background-color: rgb(132, 73,  
154) }
```

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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