

Converting Colors

XYZ(17.5771, 12.4272, 36.1231)

Have a look what the booklet for
XYZ(17.5771, 12.4272, 36.1231)
contains.

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Color

**XYZ(17.5752, 12.4473,
36.1266)**

Conversions

Conversions Part 1

Format	Color
Hex	7B4FA3
RGB	123, 79, 163
RGB Percent	48%, 31%, 64%
CMY	0.5176, 0.6902, 0.3608
CMYK	0.25, 0.52, 0.00, 0.36
HSL	271°, 35%, 47%
HSV	271°, 52%, 64%
XYZ	17.5752, 12.4473, 36.1266
YIQ	101.7320, -0.7400, 35.4520

Conversions

Conversions Part 2

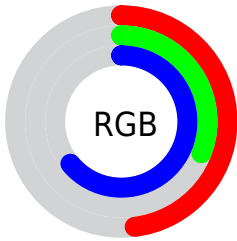
Format	Color
RYB	123, 79, 163
Decimal	8081315
CIELab	41.92, 35.21, -38.60
CIELCh	42, 52.244, 312.369
Yxy	12.4473, 0.2657, 0.1882
Android (android.graphics.Color)	4286271395 (0xFF7B4FA3)
YUV	101.7320, 30.2051, 18.6520
Hunter-Lab	35.2807, 27.1790, -36.0150

Details

The XYZ color **17.5752, 12.4473, 36.1266** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **22.1166, 30.6812, 12.1540**, and the grayscale version is **12.4839, 13.1340, 14.3029**.

A 20% lighter version of the original color is **38.6366, 30.1096, 70.1050**, and **5.9843, 3.5203, 15.4030** is the 20% darker color. If you saturate the color by 10%, you get **15.4738, 9.8276, 35.7319**, and if you desaturate by 10%, it is **20.0539, 15.6899, 36.6221**.

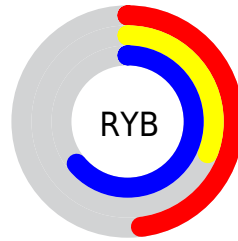
Distribution



Red (48%)

Green (31%)

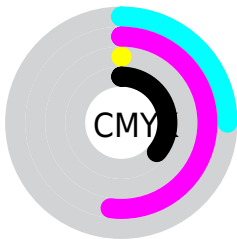
Blue (64%)



Red (48%)

Yellow (31%)

Blue (64%)

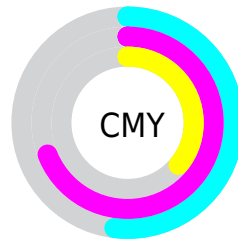


Cyan (25%)

Magenta (52%)

Yellow (0%)

Black (36%)



Cyan (52%)

Magenta (69%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5752, 12.4473, 36.1266 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 17.5752, 12.4473, 36.1266 by changing the saturation by 10% instead.

■ 17.5752, 12.4473,
36.1266

■ 17.5752, 12.4473,
36.1266

231.5578,
207.3445, 344.5677

■ 10.7433, 7.0491,
24.2415

■ 38.8479, 30.3072,
70.3987

■ 5.9605, 3.4928,
15.2990

■ 54.0194, 43.5377,
93.6227

■ 2.8615, 1.3941,
8.8806

■ 72.7015, 60.1476,
121.4635

■ 1.0810, 0.2124,
4.5676

■ 95.2595, 80.5216,
154.3396

■ 0.0091, 0.0000,
1.9416

■ 122.0588,
105.0438, 192.6696

■ 0.0000, 0.0000,
0.5190

153.4647,

■ 0.0000, 0.0000,

134.0988, 236.8719

0.0000

189.8426,
168.0709, 287.3650

■ 17.5752, 12.4473,
36.1266

■ 17.5752, 12.4473,
36.1266

■ 15.4738, 9.8276,
35.7319

■ 20.0539, 15.6899,
36.6221

■ 13.7247, 7.7854,
35.4299

■ 22.9297, 19.5934,
37.2239

■ 12.3019, 6.2713,
35.2127

■ 26.2226, 24.1947,
37.9385

■ 11.1743, 5.2261,
35.0703

■ 29.9507, 29.5273,
38.7713

■ 10.3919, 4.5936,
34.9895

■ 34.1310, 35.6223,
39.7275

■ 38.7796, 42.5094,
40.8118

■ 43.9115, 50.2164,
42.0289

■ 49.5414, 58.7697,
43.3831

■ 55.6830, 68.1947,
44.8787

Harmonies

Analogous

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



13.4941, 12.4473, 46.7579



17.5752, 12.4473, 36.1266



20.4149, 12.4473, 21.0710

Triad

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



17.5752, 12.4473, 36.1266



14.2261, 12.4473, 1.7084



5.9577, 12.4473, 18.6390

Complementary

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



17.5752, 12.4473, 36.1266



22.1166, 30.6812, 12.1540

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.



6.0701, 12.4473, 8.0770



17.5752, 12.4473, 36.1266



10.3101, 12.4473, 1.5845

Square

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



17.5752, 12.4473, 36.1266



18.2106, 12.4473, 3.6781



7.4981, 12.4473, 3.1290



7.1479, 12.4473, 33.5359

Rectangle

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



17.5752, 12.4473, 36.1266



20.9117, 12.4473, 12.6928



7.4981, 12.4473, 3.1290



5.8532, 12.4473, 14.4512

Sweetspot

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



17.5757, 12.4478, 36.1269



51.0448, 49.1462, 68.8519



16.5042, 17.6441, 37.1863



11.1626, 10.6061, 15.3964



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.5757, 12.4478, 36.1269



27.1637, 16.9408, 63.8943



24.3867, 15.9734, 35.7944



7.0379, 7.0339, 8.8898



8.1292, 3.5972, 27.1957



0.2250, 0.1035, 0.5740

Inverse Universe

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



21.2304, 14.7109, 19.1738



34.9020, 21.7257, 28.3064



17.7849, 28.4421, 12.2202



7.2076, 7.1395, 8.0798



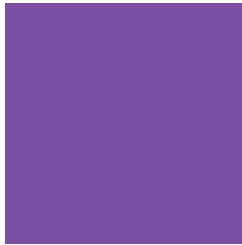
12.8197, 6.4839, 6.2410



0.2932, 0.1458, 0.2568

Previews

White Background



This preview shows how the XYZ color 17.5752, 12.4473, 36.1266 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 17.5752, 12.4473, 36.1266 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 17.5752, 12.4473, 36.1266

Background



This preview shows how black text looks on a background with the XYZ color 17.5752, 12.4473, 36.1266.



This preview shows how white text looks on a background with the XYZ color 17.5752, 12.4473,

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

17.5752, 12.4473, 36.1266

Protanopia

14.1660, 12.5606, 44.8578

Deuteranopia

12.8998, 12.5507, 34.5435



Tritanopia

13.0831, 12.4095, 14.2761

Trichromacy



Original Color

17.5752, 12.4473, 36.1266

Protanomaly

14.7758, 12.1622, 41.6132

Deuteranomaly

14.0101, 12.1708, 34.8685

Tritanomaly

14.4129, 12.3130, 20.6858

Monochromacy



Original Color

17.5752, 12.4473, 36.1266

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.0712, 12.7756, 20.7931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5752, 12.4473, 36.1266 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(123, 79, 163)` looks like.

```
.text, #text, p{  
    color:rgb(123, 79, 163)  
}
```

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(123, 79, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 79, 163) }
```

Border

The CSS property to change the border of an element to XYZ 17.5752, 12.4473, 36.1266 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(123, 79, 163) }
```


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

```
.border{ border-color:rgb(123, 79, 163) }
```

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

Here you see how a box with a 4 pixel rgb(123, 79, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 79, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 79, 163);  
box-shadow:4px 4px 4px 4px rgb(123, 79,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5752, 12.4473, 36.1266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 79, 163) }
```

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

```
.background{ background-color: rgb(123, 79,  
163) }
```

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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