

Converting Colors

XYZ(17.5626, 12.3951, 33.3651)

Have a look what the booklet for
XYZ(17.5626, 12.3951, 33.3651)
contains.

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Color

**XYZ(17.5626, 12.3951,
33.3651)**

Conversions

Conversions Part 1

Format	Color
Hex	7F4E9D
RGB	127, 78, 157
RGB Percent	50%, 31%, 62%
CMY	0.5020, 0.6941, 0.3843
CMYK	0.19, 0.50, 0.00, 0.38
HSL	277°, 34%, 46%
HSV	277°, 50%, 62%
XYZ	17.5626, 12.3951, 33.3651
YIQ	101.6570, 3.8450, 34.9570

Conversions

Conversions Part 2

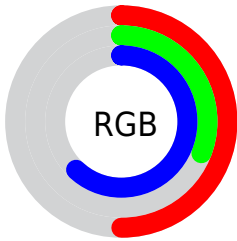
Format	Color
RYB	127, 78, 157
Decimal	8343197
CIELab	41.84, 35.49, -35.12
CIELCh	42, 49.926, 315.301
Yxy	12.3951, 0.2774, 0.1957
Android (android.graphics.Color)	4286533277 (0xFF7F4E9D)
YUV	101.6570, 27.2841, 22.2258
Hunter-Lab	35.2067, 27.4318, -31.5440

Details

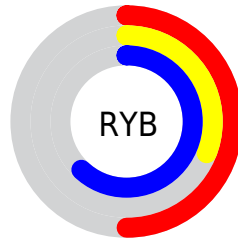
The XYZ color **17.5626, 12.3951, 33.3651** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **19.6167, 27.8524, 11.5503**, and the grayscale version is **12.4709, 13.1203, 14.2880**.

A 20% lighter version of the original color is **38.7900, 30.2777, 66.0871**, and **5.9157, 3.4443, 13.7176** is the 20% darker color. If you saturate the color by 10%, you get **15.7157, 9.9804, 32.9966**, and if you desaturate by 10%, it is **19.7293, 15.3705, 33.8254**.

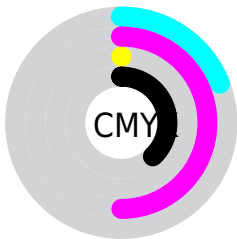
Distribution



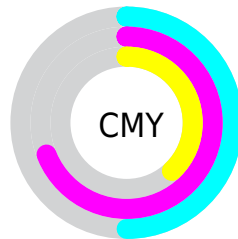
- Red (50%)
- Green (31%)
- Blue (62%)



- Red (50%)
- Yellow (31%)
- Blue (62%)



- Cyan (19%)
- Magenta (50%)
- Yellow (0%)
- Black (38%)



- Cyan (50%)
- Magenta (69%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5626, 12.3951, 33.3651 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 17.5626, 12.3951, 33.3651 by changing the saturation by 10% instead.

■ 17.5626, 12.3951,
33.3651

■ 17.5626, 12.3951,
33.3651

231.4875,
207.0037, 331.9740

■ 10.7342, 7.0134,
22.1329

■ 38.8265, 30.2127,
66.0677

■ 5.9544, 3.4705,
13.7553

■ 53.9928, 43.4173,
88.3751

■ 2.8577, 1.3820,
7.8139

■ 72.6690, 59.9984,
115.2114

■ 1.0790, 0.2034,
3.8900

■ 95.2206, 80.3402,
146.9950

■ 0.0074, 0.0000,
1.5652

■ 122.0129,
104.8273, 184.1446

■ 0.0000, 0.0000,
0.2658

153.4112,

■ 0.0000, 0.0000,

133.8440, 227.0786

0.0000

189.7810,
167.7746, 276.2155

■ 17.5626, 12.3951,
33.3651

■ 17.5626, 12.3951,
33.3651

■ 15.7157, 9.9804,
32.9966

■ 19.7293, 15.3705,
33.8254

■ 14.1670, 8.0858,
32.7125

■ 22.2325, 18.9402,
34.3825

■ 12.8943, 6.6678,
32.5059

■ 25.0897, 23.1370,
35.0420

■ 11.8708, 5.6744,
32.3681

■ 28.3162, 27.9908,
35.8088

■ 11.0564, 4.9967,
32.2802

■ 31.9266, 33.5294,
36.6876

■ 35.9348, 39.7791,
37.6826

■ 40.3536, 46.7649,
38.7981

■ 45.1956, 54.5103,
40.0379

■ 50.4725, 63.0379,
41.4058

Harmonies

Analogous

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



13.7495, 12.3951, 44.0111



17.5626, 12.3951, 33.3651



20.0395, 12.3951, 19.3208

Triad

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



17.5626, 12.3951, 33.3651



13.6700, 12.3951, 1.8512



6.1878, 12.3951, 19.5835

Complementary

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



17.5626, 12.3951, 33.3651



19.6167, 27.8524, 11.5503

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.



6.1753, 12.3951, 8.9784



17.5626, 12.3951, 33.3651



10.0103, 12.3951, 1.8659

Square

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



17.5626, 12.3951, 33.3651



17.4940, 12.3951, 3.6067



7.4322, 12.3951, 3.6696



7.4709, 12.3951, 33.6415

Rectangle

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



17.5626, 12.3951, 33.3651



20.3278, 12.3951, 11.7085



7.4322, 12.3951, 3.6696



6.0453, 12.3951, 15.4570

Sweetspot

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



17.5631, 12.3956, 33.3654



47.7541, 45.6566, 63.4224



14.6206, 14.8394, 33.9922



10.2630, 9.6786, 13.8976



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.



17.5631, 12.3956, 33.3654



27.8927, 17.5546, 59.0450



21.9575, 14.7485, 29.6169



6.6599, 6.6287, 8.3351



9.0218, 4.0799, 26.2192



0.2072, 0.0966, 0.4710

Inverse Universe

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



19.3361, 13.7000, 15.8128



31.7906, 20.3724, 22.7063



16.9284, 26.4256, 13.2722



6.7321, 6.6857, 7.4402



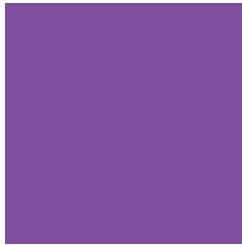
11.9643, 6.0903, 4.0629



0.2338, 0.1168, 0.1771

Previews

White Background



This preview shows how the XYZ color 17.5626, 12.3951, 33.3651 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 17.5626, 12.3951, 33.3651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

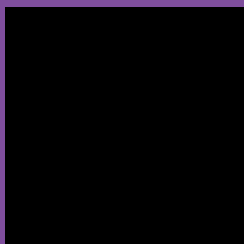
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.5626, 12.3951, 33.3651

Background



This preview shows how black text looks on a background with the XYZ color 17.5626, 12.3951, 33.3651.



This preview shows how white text looks on a background with the XYZ color 17.5626, 12.3951,

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

17.5626, 12.3951, 33.3651

Protanopia

13.9646, 12.6621, 41.7524

Deuteranopia

12.8841, 12.6013, 31.8902



Tritanopia

13.5505, 12.4067, 13.4849

Trichromacy



Original Color

17.5626, 12.3951, 33.3651

Protanomaly

14.5618, 12.1179, 38.6173

Deuteranomaly

13.9875, 12.0906, 32.1683

Tritanomaly

14.6835, 12.2374, 19.3574

Monochromacy



Original Color

17.5626, 12.3951, 33.3651

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.9827, 12.6133, 20.1100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5626, 12.3951, 33.3651 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(127, 78, 157)` looks like.

```
.text, #text, p{  
    color:rgb(127, 78, 157)  
}
```

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(127, 78, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 78, 157) }
```

Border

The CSS property to change the border of an element to XYZ 17.5626, 12.3951, 33.3651 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(127, 78, 157) }
```


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

```
.border{ border-color:rgb(127, 78, 157) }
```

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

Here you see how a box with a 4 pixel rgb(127, 78, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 78, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 78, 157);  
box-shadow:4px 4px 4px 4px rgb(127, 78,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5626, 12.3951, 33.3651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 78, 157) }
```

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

```
.background{ background-color: rgb(127, 78,  
157) }
```

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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