

Converting Colors

XYZ(17.2121, 7.8475, 47.1456)

Have a look what the booklet for
XYZ(17.2121, 7.8475, 47.1456)
contains.

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Color

**XYZ(17.1751, 7.8303,
47.0605)**

Conversions

Conversions Part 1

Format	Color
Hex	7C00BA
RGB	124, 0, 186
RGB Percent	49%, 0%, 73%
CMY	0.5137, 1.0000, 0.2706
CMYK	0.33, 1.00, 0.00, 0.27
HSL	280°, 100%, 36%
HSV	280°, 100%, 73%
XYZ	17.1751, 7.8303, 47.0605
YIQ	58.2800, 14.1980, 84.1340

Conversions

Conversions Part 2

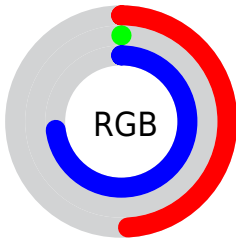
Format	Color
R_{YB}	124, 0, 186
Decimal	8126650
CIE _{Lab}	33.63, 68.77, -65.65
CIE _{LCh}	34, 95.074, 316.328
Yxy	7.8303, 0.2383, 0.1087
Android (android.graphics.Color)	4286316730 (0xFF7C00BA)
YUV	58.2800, 62.9660, 57.6364
Hunter-Lab	27.9827, 60.5894, -80.1244

Details

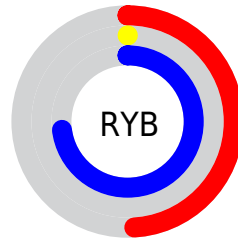
The XYZ color **17.1751, 7.8303, 47.0605** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **19.5457, 36.1421, 5.9461**, and the grayscale version is **3.9767, 4.1838, 4.5562**.

A 20% lighter version of the original color is **38.0535, 21.5850, 86.9547**, and **6.2767, 2.7625, 21.6751** is the 20% darker color. If you saturate the color by 10%, you get **17.1753, 7.8303, 47.0607**, and if you desaturate by 10%, it is **18.3262, 8.7595, 47.1794**.

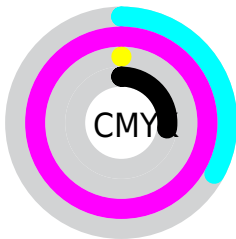
Distribution



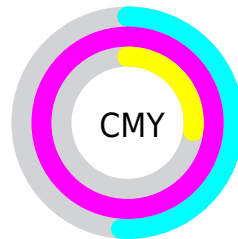
- Red (49%)
- Green (0%)
- Blue (73%)



- Red (49%)
- Yellow (0%)
- Blue (73%)



- Cyan (33%)
- Magenta (100%)
- Yellow (0%)
- Black (27%)



- Cyan (51%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1751, 7.8303, 47.0605 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 17.1751, 7.8303, 47.0605 by changing the saturation by 10% instead.

■ 17.1751, 7.8303,
47.0605

■ 17.1751, 7.8303,
47.0605

229.3160,
174.3948, 391.4567

■ 10.4555, 3.9866,
32.7288

■ 38.1678, 21.6251,
87.1549

■ 5.7666, 1.6660,
21.6494

■ 53.1716, 32.3449,
113.7546

■ 2.7430, 0.4015,
13.4036

■ 71.6675, 46.1256,
145.2807

■ 1.0193, 0.0000,
7.5731

■ 94.0209, 63.3514,
182.1518

■ 0.0000, 0.0000,
3.7392

■ 120.5970, 84.4069,
224.7865

■ 0.0000, 0.0000,
1.4834

■ 151.7614,


■ 0.0000, 0.0000,


109.6763, 273.6031


0.2055

 187.8793,
139.5442, 329.0204


 0.0000, 0.0000,
0.0000


 17.1751, 7.8303,
47.0605


 17.1751, 7.8303,
47.0605


 17.1753, 7.8303,
47.0607

 18.3262, 8.7595,
47.1794

 19.7497, 10.1491,
47.3725

 21.5266, 12.1588,
47.6668

 23.6972, 14.8679,
48.0753

 26.2957, 18.3434,
48.6092

■ 29.3523, 22.6445,
49.2783

■ 32.8942, 27.8243,
50.0914

■ 36.9465, 33.9313,
51.0566

■ 41.5322, 41.0106,
52.1814

Harmonies

Analogous

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



10.5955, 7.8303, 75.2215



17.1751, 7.8303, 47.0605



21.8487, 7.8303, 17.1622

Triad

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



17.1751, 7.8303, 47.0605



10.0431, 7.8303, 0.0000



1.4036, 7.8303, 19.2718

Complementary

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



17.1751, 7.8303, 47.0605



19.5457, 36.1421, 5.9461

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.



1.3648, 7.8303, 3.4181



17.1751, 7.8303, 47.0605



4.9867, 7.8303, 0.0000

Square

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



17.1751, 7.8303, 47.0605



16.6133, 7.8303, 0.0000



2.3249, 7.8303, 0.0000



2.4779, 7.8303, 50.0302

Rectangle

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



17.1751, 7.8303, 47.0605



22.3043, 7.8303, 5.7613



2.3249, 7.8303, 0.0000



1.2948, 7.8303, 12.0577

Sweetspot

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



17.1755, 7.8306, 47.0607



59.2808, 49.9255, 90.7136



10.5858, 6.9908, 47.2459



12.4354, 10.0819, 19.8331



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



17.1755, 7.8306, 47.0607



30.8638, 14.0551, 85.2876



26.1663, 12.8058, 32.1034



9.0822, 9.0087, 11.3396



11.6370, 5.3103, 31.6647



0.4729, 0.2195, 1.1192

Inverse Universe

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



21.1194, 10.7871, 5.5267



38.1796, 19.5118, 9.4891



17.8064, 35.2169, 7.1556



9.1248, 9.0603, 10.0045



14.2398, 7.2697, 3.8837



0.5315, 0.2681, 0.2922

Previews

White Background



This preview shows how the XYZ color 17.1751, 7.8303, 47.0605 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 17.1751, 7.8303, 47.0605

Background



This preview shows how black text looks on a background with the XYZ color 17.1751, 7.8303, 47.0605.



This preview shows how white text looks on a background with the XYZ color 17.1751, 7.8303,

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

17.1751, 7.8303, 47.0605

Protanopia

9.6789, 8.3451, 37.1770

Deuteranopia

8.1282, 8.3238, 27.1649



Tritanopia

9.4666, 8.2582, 8.3028

Trichromacy



Original Color

17.1751, 7.8303, 47.0605

Protanomaly

9.7656, 5.8562, 40.1508

Deuteranomaly

8.6133, 5.6073, 33.4292

Tritanomaly

10.7434, 6.6179, 17.5408

Monochromacy



Original Color

17.1751, 7.8303, 47.0605

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.6910, 4.1369, 13.8104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1751, 7.8303, 47.0605 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(124, 0, 186)` looks like.

```
.text, #text, p{  
    color:rgb(124, 0, 186)  
}
```

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(124, 0, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 0, 186) }
```

Border

The CSS property to change the border of an element to XYZ 17.1751, 7.8303, 47.0605 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(124, 0, 186) }
```


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

```
.border{ border-color:rgb(124, 0, 186) }
```

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

Here you see how a box with a 4 pixel rgb(124, 0, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 0, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 0, 186);  
box-shadow:4px 4px 4px 4px rgb(124, 0,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1751, 7.8303, 47.0605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 0, 186) }
```

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

```
.background{ background-color: rgb(124, 0,  
186) }
```

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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