

Converting Colors

XYZ(12.1650, 9.0202, 17.7757)

Have a look what the booklet for
XYZ(12.1650, 9.0202, 17.7757)
contains.

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Color

**XYZ(12.2784, 9.1180,
17.9424)**

Conversions

Conversions Part 1

Format	Color
Hex	724575
RGB	114, 69, 117
RGB Percent	45%, 27%, 46%
CMY	0.5529, 0.7294, 0.5412
CMYK	0.03, 0.41, 0.00, 0.54
HSL	296°, 26%, 36%
HSV	296°, 41%, 46%
XYZ	12.2784, 9.1180, 17.9424
YIQ	87.9270, 11.4120, 24.4680

Conversions

Conversions Part 2

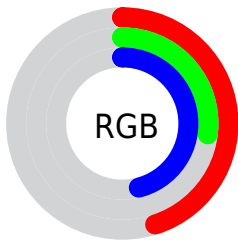
Format	Color
R_{YB}	114, 69, 117
Decimal	7488885
CIE _{Lab}	36.21, 27.71, -19.63
CIE _{LCh}	36, 33.961, 324.688
Yxy	9.1180, 0.3121, 0.2318
Android (android.graphics.Color)	4285678965 (0xFF724575)
YUV	87.9270, 14.3330, 22.8660
Hunter-Lab	30.1960, 19.7392, -14.0927

Details

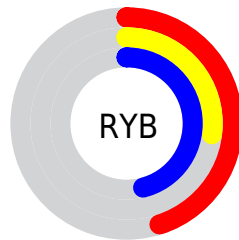
The XYZ color **12.2784, 9.1180, 17.9424** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **10.1083, 14.5302, 7.9025**, and the grayscale version is **9.2282, 9.7087, 10.5728**.

A 20% lighter version of the original color is **29.5762, 24.0369, 40.6169**, and **3.5605, 2.1663, 5.8607** is the 20% darker color. If you saturate the color by 10%, you get **11.5338, 7.7692, 17.7214**, and if you desaturate by 10%, it is **13.1663, 10.7518, 18.2111**.

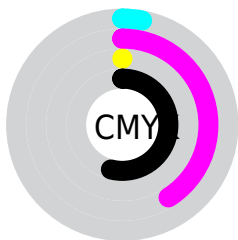
Distribution



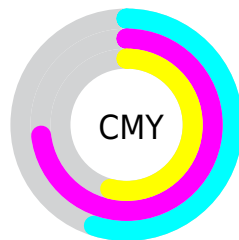
- Red (45%)
- Green (27%)
- Blue (46%)



- Red (45%)
- Yellow (27%)
- Blue (46%)



- Cyan (3%)
- Magenta (41%)
- Yellow (0%)
- Black (54%)



- Cyan (55%)
- Magenta (73%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2784, 9.1180, 17.9424 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 12.2784, 9.1180, 17.9424 by changing the saturation by 10% instead.

12.2784, 9.1180,
17.9424

12.2784, 9.1180,
17.9424

199.9723,
184.2557, 252.7714

7.0071, 4.8182,
10.7396

29.6136, 24.1228,
40.7518

3.5129, 2.1410,
5.7801

42.4083, 35.5965,
57.1954

1.4305, 0.6875,
2.6452

58.4414, 50.2305,
77.5565

0.2778, 0.0000,
0.9157

78.0785, 68.4089,
102.2535

0.0000, 0.0000,
0.0000

101.6847, 90.5162,
131.7049

129.6255,

116.9369, 166.3293

162.2662,
148.0553, 206.5453

■ 12.2784, 9.1180,
17.9424

■ 12.2784, 9.1180,
17.9424

■ 11.5338, 7.7692,
17.7214

■ 13.1663, 10.7518,
18.2111

■ 10.9232, 6.6876,
17.5448

■ 14.2043, 12.6850,
18.5295

■ 10.4377, 5.8550,
17.4097

■ 15.3999, 14.9321,
18.9002

■ 10.0668, 5.2504,
17.3126

■ 16.7597, 17.5065,
19.3255

■ 9.7983, 4.8496,
17.2494

■ 18.2901, 20.4209,
19.8074

■ 9.6026, 4.5794,
17.2075

■ 19.9970, 23.6872,
20.3479

■ 21.8860, 27.3168,
20.9489

■ 23.9627, 31.3204,
21.6122

■ 26.2322, 35.7085,
22.3396

Harmonies

Analogous

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



10.4105, 9.1180, 24.0369



12.2784, 9.1180, 17.9424



13.1894, 9.1180, 11.0051

Triad

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



12.2784, 9.1180, 17.9424



9.0347, 9.1180, 2.4163



5.5680, 9.1180, 15.3994

Complementary

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



12.2784, 9.1180, 17.9424



10.1083, 14.5302, 7.9025

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.



5.3174, 9.1180, 8.9235



12.2784, 9.1180, 17.9424



7.1288, 9.1180, 2.8183

Square

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



12.2784, 9.1180, 17.9424



11.1379, 9.1180, 3.2919



5.8429, 9.1180, 4.7463



6.5906, 9.1180, 22.2095

Rectangle

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



12.2784, 9.1180, 17.9424



13.0426, 9.1180, 7.3428



5.8429, 9.1180, 4.7463



5.3982, 9.1180, 13.0581

Sweetspot

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



12.2787, 9.1184, 17.9426



27.2849, 26.1887, 33.7539



7.9958, 7.2107, 17.8001



6.2250, 5.9303, 7.7455



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.2787, 9.1184, 17.9426



20.7460, 14.0782, 31.7609



11.5851, 8.8868, 12.2197



3.8051, 3.7469, 4.6129



10.5751, 5.0430, 18.9586



51.2638, 24.4360, 92.3750

Inverse Universe

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



10.6342, 8.5064, 7.2128



17.4138, 12.8455, 9.6878



10.6528, 14.7228, 11.9090



3.6924, 3.7042, 3.9068



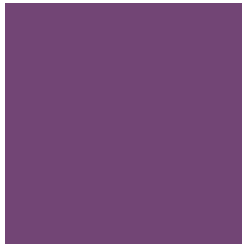
8.1247, 4.1836, 0.5990



39.4792, 20.3418, 2.3210

Previews

White Background



This preview shows how the XYZ color 12.2784, 9.1180, 17.9424 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



This preview shows how the XYZ color 12.2784, 9.1180, 17.9424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

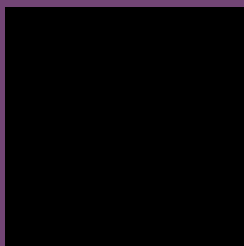
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2784, 9.1180, 17.9424

Background



This preview shows how black text looks on a background with the XYZ color 12.2784, 9.1180, 17.9424.



This preview shows how white text looks on a background with the XYZ color 12.2784, 9.1180,

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

12.2784, 9.1180, 17.9424

Protanopia

9.6586, 9.2277, 22.0409

Deuteranopia

9.3495, 9.1753, 17.1978



Tritanopia

10.4835, 9.1682, 9.1997

Trichromacy



Original Color

12.2784, 9.1180, 17.9424

Protanomaly

10.3354, 9.0511, 20.6043

Deuteranomaly

10.2049, 9.0539, 17.4294

Tritanomaly

11.0699, 9.1033, 12.0001

Monochromacy



Original Color

12.2784, 9.1180, 17.9424

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.1243, 9.3271, 13.0711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2784, 9.1180, 17.9424 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(114, 69, 117)` looks like.

```
.text, #text, p{  
    color:rgb(114, 69, 117)  
}
```

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(114, 69, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 69, 117) }
```

Border

The CSS property to change the border of an element to XYZ 12.2784, 9.1180, 17.9424 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(114, 69, 117) }
```


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

```
.border{ border-color:rgb(114, 69, 117) }
```

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

Here you see how a box with a 4 pixel rgb(114, 69, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 69, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 69, 117);  
box-shadow:4px 4px 4px 4px rgb(114, 69,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2784, 9.1180, 17.9424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 69, 117) }
```

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

```
.background{ background-color: rgb(114, 69,  
117) }
```

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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