

Converting Colors

XYZ(18.8191, 17.7169, 28.4450)

Have a look what the booklet for
XYZ(18.8191, 17.7169, 28.4450)
contains.

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Color

**XYZ(18.7781, 17.7091,
28.4151)**

Conversions

Conversions Part 1

Format	Color
Hex	7A708F
RGB	122, 112, 143
RGB Percent	48%, 44%, 56%
CMY	0.5216, 0.5608, 0.4392
CMYK	0.15, 0.22, 0.00, 0.44
HSL	259°, 12%, 50%
HSV	259°, 22%, 56%
XYZ	18.7781, 17.7091, 28.4151
YIQ	118.5240, -3.9910, 11.7610

Conversions

Conversions Part 2

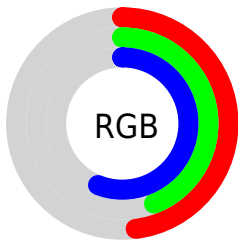
Format	Color
R_{YB}	122, 112, 143
Decimal	8024207
CIE Lab	49.14, 10.43, -15.50
CIE LCh	49, 18.679, 303.942
Yxy	17.7091, 0.2893, 0.2729
Android (android.graphics.Color)	4286214287 (0xFF7A708F)
YUV	118.5240, 12.0667, 3.0485
Hunter-Lab	42.0822, 6.0073, -10.5768

Details

The XYZ color **18.7781, 17.7091, 28.4151** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.4207, 25.8018, 19.1287**, and the grayscale version is **17.3489, 18.2524, 19.8769**.

A 20% lighter version of the original color is **41.0327, 39.6961, 58.3228**, and **6.5568, 5.8736, 11.1441** is the 20% darker color. If you saturate the color by 10%, you get **16.0199, 14.1284, 27.8696**, and if you desaturate by 10%, it is **21.9248, 21.8630, 29.0513**.

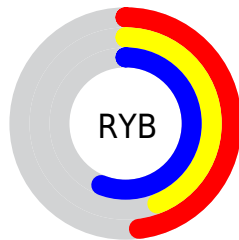
Distribution



Red (48%)

Green (44%)

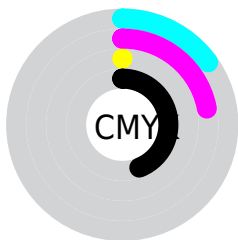
Blue (56%)



Red (48%)

Yellow (44%)

Blue (56%)

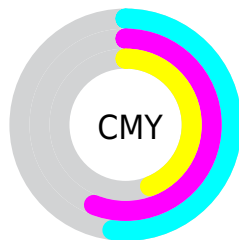


Cyan (15%)

Magenta (22%)

Yellow (0%)

Black (44%)



Cyan (52%)

Magenta (56%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7781, 17.7091, 28.4151 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 18.7781, 17.7091, 28.4151 by changing the saturation by 10% instead.

■ 18.7781, 17.7091,
28.4151

■ 18.7781, 17.7091,
28.4151

238.1827,
239.2262, 308.4192

■ 11.6131, 10.7413,
18.3970

■ 40.8786, 39.5410,
58.1775

■ 6.5511, 5.8932,
11.0630

■ 56.5448, 55.1740,
78.7590

■ 3.2268, 2.7802,
5.9945

■ 75.7754, 74.4641,
103.6987

■ 1.2748, 1.0181,
2.7730

■ 98.9358, 97.7958,
133.4151

■ 0.1642, 0.0000,
0.9799

126.3914,
125.5534, 168.3269

■ 0.0000, 0.0000,
0.0000

158.5075,

158.1215, 208.8524

195.6495,
195.8843, 255.4104

■ 18.7781, 17.7091,
28.4151

■ 18.7781, 17.7091,
28.4151

■ 16.0199, 14.1284,
27.8696

■ 21.9248, 21.8630,
29.0513

■ 13.6328, 11.0930,
27.4095

■ 25.4731, 26.6119,
29.7809

■ 11.6003, 8.5760,
27.0308

■ 29.4376, 31.9791,
30.6080

■ 9.9042, 6.5473,
26.7286

■ 33.8318, 37.9861,
31.5358

■ 8.5243, 4.9734,
26.4976

■ 38.6683, 44.6533,
32.5678

7.4381, 3.8168,
26.3316

43.9592, 52.0001,
33.7070

6.6196, 3.0332,
26.2235

49.7164, 60.0453,
34.9565

6.0903, 2.5669,
26.1614

55.9511, 68.8067,
36.3190

62.6741, 78.3016,
37.7973

Harmonies

Analogous

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



17.0640, 17.7091, 30.5603



18.7781, 17.7091, 28.4151



20.0336, 17.7091, 23.8245

Triad

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



18.7781, 17.7091, 28.4151



18.3511, 17.7091, 11.8666



13.6982, 17.7091, 19.9512

Complementary

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



18.7781, 17.7091, 28.4151



22.4207, 25.8018, 19.1287

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.



13.9910, 17.7091, 15.3574



18.7781, 17.7091, 28.4151



16.6021, 17.7091, 11.1889

Square

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



18.7781, 17.7091, 28.4151



19.7754, 17.7091, 14.3940



15.0252, 17.7091, 12.3516



14.1962, 17.7091, 25.1680

Rectangle

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



18.7781, 17.7091, 28.4151



20.3982, 17.7091, 20.3154



15.0252, 17.7091, 12.3516



13.7077, 17.7091, 18.2846

Sweetspot

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



18.7787, 17.7098, 28.4155



42.0504, 42.8696, 52.5964



20.0533, 22.2538, 29.2254



9.5709, 9.7344, 12.0467



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.7787, 17.7098, 28.4155



31.1369, 28.4647, 50.3912



21.1212, 18.9175, 28.5251



5.2832, 5.3342, 6.7799



5.4050, 2.2800, 23.1323



0.0728, 0.0327, 0.2221

Inverse Universe

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



21.3561, 19.1222, 24.7567



36.6458, 31.4862, 42.4443



20.1760, 24.6447, 19.0236



5.5533, 5.4818, 6.4114



11.9284, 5.9284, 10.5400



0.1242, 0.0607, 0.1540

Previews

White Background



This preview shows how the XYZ color 18.7781, 17.7091, 28.4151 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 18.7781, 17.7091, 28.4151 looks on a black 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

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

XYZ 18.7781, 17.7091, 28.4151

Background



This preview shows how black text looks on a background with the XYZ color 18.7781, 17.7091, 28.4151.



This preview shows how white text looks on a background with the XYZ color 18.7781, 17.7091,

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

18.7781, 17.7091, 28.4151

Protanopia

17.8641, 17.8811, 29.7040

Deuteranopia

18.0455, 17.6626, 28.4447



Tritanopia

17.3766, 17.6386, 21.5575

Trichromacy



Original Color

18.7781, 17.7091, 28.4151

Protanomaly

18.1810, 17.8832, 29.2816

Deuteranomaly

18.3343, 17.6450, 28.4261

Tritanomaly

17.8598, 17.6664, 23.9414

Monochromacy



Original Color

18.7781, 17.7091, 28.4151

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.8874, 18.0424, 22.9618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7781, 17.7091, 28.4151 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(122, 112, 143)` looks like.

```
.text, #text, p{  
    color:rgb(122, 112, 143)  
}
```

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(122, 112, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 112, 143) }
```

Border

The CSS property to change the border of an element to XYZ 18.7781, 17.7091, 28.4151 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(122, 112, 143) }
```


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

```
.border{ border-color:rgb(122, 112, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 112, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 112, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 112, 143);  
box-shadow:4px 4px 4px 4px rgb(122, 112,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7781, 17.7091, 28.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 112, 143) }
```

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

```
.background{ background-color: rgb(122,  
112, 143) }
```

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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