

Converting Colors

XYZ(18.1433, 18.6248, 22.8886)

Have a look what the booklet for
XYZ(18.1433, 18.6248, 22.8886)
contains.

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Color

**XYZ(18.2388, 18.7452,
23.0790)**

Conversions

Conversions Part 1

Format	Color
Hex	787780
RGB	120, 119, 128
RGB Percent	47%, 47%, 50%
CMY	0.5294, 0.5333, 0.4980
CMYK	0.06, 0.07, 0.00, 0.50
HSL	247°, 4%, 48%
HSV	247°, 7%, 50%
XYZ	18.2388, 18.7452, 23.0790
YIQ	120.3250, -2.2930, 3.0110

Conversions

Conversions Part 2

Format	Color
R_{YB}	120, 119, 128
Decimal	7894912
CIE _{Lab}	50.39, 2.24, -4.79
CIE _{LCh}	50, 5.285, 295.101
Yxy	18.7452, 0.3037, 0.3121
Android (android.graphics.Color)	4286084992 (0xFF787780)
YUV	120.3250, 3.7838, -0.2850
Hunter-Lab	43.2957, -0.5724, -1.2978

Details

The XYZ color **18.2388, 18.7452, 23.0790** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.8021, 21.2828, 20.5180**, and the grayscale version is **17.9459, 18.8804, 20.5608**.

A 20% lighter version of the original color is **39.9167, 41.2327, 49.5709**, and **6.3370, 6.4487, 8.3079** is the 20% darker color. If you saturate the color by 10%, you get **15.3314, 15.1356, 22.5358**, and if you desaturate by 10%, it is **21.5402, 22.8635, 23.7002**.

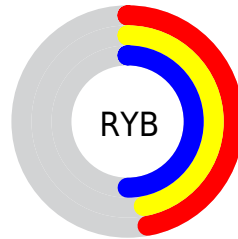
Distribution



Red (47%)

Green (47%)

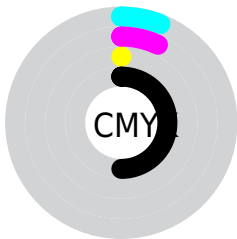
Blue (50%)



Red (47%)

Yellow (47%)

Blue (50%)

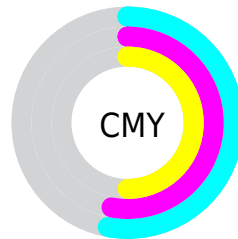


Cyan (6%)

Magenta (7%)

Yellow (0%)

Black (50%)



Cyan (53%)

Magenta (53%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2388, 18.7452, 23.0790 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 18.2388, 18.7452, 23.0790 by changing the saturation by 10% instead.

■ 18.2388, 18.7452,
23.0790

■ 18.2388, 18.7452,
23.0790

235.2333,
245.0385, 281.2656

■ 11.2223, 11.4863,
14.4460

■ 39.9707, 41.3031,
49.4479

■ 6.2850, 6.3949,
8.2892

■ 55.4168, 57.3709,
68.0208

■ 3.0614, 3.0867,
4.1902

■ 74.4035, 77.1438,
90.7441

■ 1.1863, 1.1772,
1.7302

97.2962, 101.0062,
118.0364

■ 0.0955, 0.0429,
0.3813

124.4601,
129.3424, 150.3161

■ 0.0000, 0.0000,
0.0000

156.2607,

162.5370, 188.0019

193.0633,
200.9742, 231.5122

■ 18.2388, 18.7452,
23.0790

■ 18.2388, 18.7452,
23.0790

■ 15.3314, 15.1356,
22.5358

■ 21.5402, 22.8635,
23.7002

■ 12.8015, 12.0127,
22.0664

■ 25.2477, 27.5066,
24.4010

■ 10.6341, 9.3563,
21.6678

■ 29.3752, 32.6931,
25.1846

■ 8.8126, 7.1439,
21.3368

■ 33.9352, 38.4398,
26.0534

■ 7.3188, 5.3511,
21.0695

■ 38.9399, 44.7626,
27.0101

■ 6.1332, 3.9515,
20.8618

■ 44.4010, 51.6772,
28.0569

■ 5.2339, 2.9150,
20.7092

■ 50.3295, 59.1983,
29.1962

■ 4.5962, 2.2078,
20.6063

■ 56.7363, 67.3403,
30.4301

■ 4.1792, 1.7656,
20.5429

■ 63.6318, 76.1170,
31.7607

Harmonies

Analogous

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



17.7326, 18.7452, 23.3587



18.2388, 18.7452, 23.0790



18.6387, 18.7452, 22.0709

Triad

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



18.2388, 18.7452, 23.0790



18.3875, 18.7452, 18.1783



16.8512, 18.7452, 20.1698

Complementary

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



18.2388, 18.7452, 23.0790



19.8021, 21.2828, 20.5180

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.



17.0193, 18.7452, 18.8352



18.2388, 18.7452, 23.0790



17.9012, 18.7452, 17.7211

Square

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



18.2388, 18.7452, 23.0790



18.7257, 18.7452, 19.2344



17.4013, 18.7452, 17.9558



16.9377, 18.7452, 21.6333

Rectangle

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



18.2388, 18.7452, 23.0790



18.7878, 18.7452, 21.1459



17.4013, 18.7452, 17.9558



16.8797, 18.7452, 19.6920

Sweetspot

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



18.2393, 18.7460, 23.0794



34.9210, 36.5039, 41.1617



19.1069, 20.6856, 23.4081



8.1955, 8.5710, 9.6408



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



18.2393, 18.7460, 23.0794



31.4869, 32.2260, 40.5170



18.8639, 19.0679, 23.1086



4.1497, 4.2328, 5.4116



4.0467, 1.6399, 20.3532



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.3304, 19.3160, 22.7892



33.7076, 33.3863, 39.9220



19.1608, 20.9522, 20.4880



4.4783, 4.4045, 5.3230



11.8280, 5.7509, 16.2157



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.2388, 18.7452, 23.0790 looks on a white 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

Black Background



This preview shows how the XYZ color 18.2388, 18.7452, 23.0790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

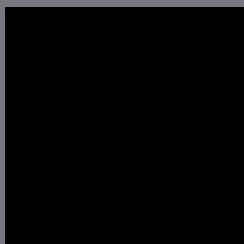
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.2388, 18.7452, 23.0790

Background



This preview shows how black text looks on a background with the XYZ color 18.2388, 18.7452, 23.0790.



This preview shows how white text looks on a background with the XYZ color 18.2388, 18.7452,

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

18.2388, 18.7452, 23.0790

Protanopia

18.2388, 18.7452, 23.0790

Deuteranopia

19.1099, 18.6650, 23.3644



Tritanopia

18.2388, 18.7452, 23.0790

Trichromacy



Original Color

18.2388, 18.7452, 23.0790

Protanomaly

18.2388, 18.7452, 23.0790

Deuteranomaly

18.7812, 18.6675, 23.3822

Tritanomaly

18.2388, 18.7452, 23.0790

Monochromacy



Original Color

18.2388, 18.7452, 23.0790

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.0374, 18.8561, 21.4278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2388, 18.7452, 23.0790 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(120, 119, 128)` looks like.

```
.text, #text, p{  
    color:rgb(120, 119, 128)  
}
```

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(120, 119, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 119, 128) }
```

Border

The CSS property to change the border of an element to XYZ 18.2388, 18.7452, 23.0790 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(120, 119, 128) }
```


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

```
.border{ border-color:rgb(120, 119, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 119, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 119, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 119, 128);  
box-shadow:4px 4px 4px 4px rgb(120, 119,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2388, 18.7452, 23.0790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 119, 128) }
```

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

```
.background{ background-color: rgb(120,  
119, 128) }
```

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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