

Converting Colors

XYZ(17.2885, 18.7546, 50.2857)

Have a look what the booklet for
XYZ(17.2885, 18.7546, 50.2857)
contains.

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Color

**XYZ(17.2858, 18.7492,
50.2848)**

Conversions

Conversions Part 1

Format	Color
Hex	287DBC
RGB	40, 125, 188
RGB Percent	16%, 49%, 74%
CMY	0.8431, 0.5098, 0.2627
CMYK	0.79, 0.34, 0.00, 0.26
HSL	206°, 65%, 45%
HSV	206°, 79%, 74%
XYZ	17.2858, 18.7492, 50.2848
YIQ	106.7670, -70.8830, 1.5730

Conversions

Conversions Part 2

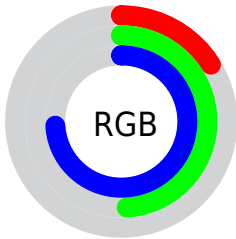
Format	Color
R_{YB}	40, 94, 188
Decimal	2653628
CIE _{Lab}	50.39, -2.89, -40.12
CIE _{LCh}	50, 40.227, 265.878
Yxy	18.7492, 0.2003, 0.2172
Android (android.graphics.Color)	4280843708 (0xFF287DBC)
YUV	106.7670, 40.0479, -58.5547
Hunter-Lab	43.3003, -4.5172, -38.5434

Details

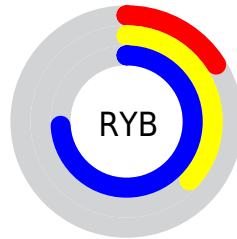
The XYZ color **17.2858, 18.7492, 50.2848** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **25.9738, 20.5476, 4.6057**, and the grayscale version is **13.8188, 14.5384, 15.8324**.

A 20% lighter version of the original color is **38.3879, 41.2250, 92.3202**, and **6.9570, 7.0290, 23.5443** is the 20% darker color. If you saturate the color by 10%, you get **15.7520, 16.5148, 49.9347**, and if you desaturate by 10%, it is **19.2579, 21.3313, 50.6797**.

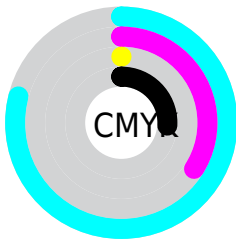
Distribution



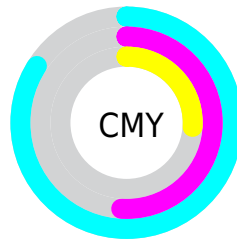
- Red (16%)
- Green (49%)
- Blue (74%)



- Red (16%)
- Yellow (37%)
- Blue (74%)



- Cyan (79%)
- Magenta (34%)
- Yellow (0%)
- Black (26%)



- Cyan (84%)
- Magenta (51%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2858, 18.7492, 50.2848 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 17.2858, 18.7492, 50.2848 by changing the saturation by 10% instead.

■ 17.2858, 18.7492,
50.2848

■ 17.2858, 18.7492,
50.2848

229.9383,
245.0607, 404.5456

■ 10.5350, 11.4892,
35.2670

■ 38.3562, 41.3099,
91.9974

■ 5.8201, 6.3969,
23.5834

■ 53.4066, 57.3793,
119.5292

■ 2.7756, 3.0879,
14.8155

■ 71.9542, 77.1541,
152.0694

■ 1.0362, 1.1778,
8.5449

■ 94.3644, 101.0185,
190.0366

■ 0.0000, 0.0435,
4.3528

■ 121.0025,
129.3569, 233.8492

■ 0.0000, 0.0000,
1.8208

152.2340,

■ 0.0000, 0.0000,

162.5539, 283.9259

0.4416

188.4241,
200.9937, 340.6852

■ 0.0000, 0.0000,
0.0000

■ 17.2858, 18.7492,
50.2848

■ 17.2858, 18.7492,
50.2848

■ 15.7520, 16.5148,
49.9347

■ 19.2579, 21.3313,
50.6797

■ 14.5754, 14.5826,
49.6238

■ 21.7135, 24.2864,
51.1206

■ 14.4363, 14.3492,
49.5861

■ 24.6938, 27.6386,
51.6106

■ 28.2349, 31.4090,
52.1517

■ 32.3691, 35.6169,
52.7460

■ 37.1264, 40.2802,
53.3954

■ 42.5344, 45.4155,
54.1016

■ 48.6193, 51.0384,
54.8662

■ 55.4053, 57.1638,
55.6909

Harmonies

Analogous

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



13.9286, 18.7492, 43.9179



17.2858, 18.7492, 50.2848



21.3059, 18.7492, 46.5468

Triad

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



17.2858, 18.7492, 50.2848



25.4732, 18.7492, 12.3883



12.2952, 18.7492, 10.5652

Complementary

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



17.2858, 18.7492, 50.2848



25.9738, 20.5476, 4.6057

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.



14.7377, 18.7492, 6.5278



17.2858, 18.7492, 50.2848



22.3773, 18.7492, 7.2783

Square

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



17.2858, 18.7492, 50.2848



26.4161, 18.7492, 22.0012



18.3662, 18.7492, 5.5932



11.3268, 18.7492, 18.9064

Rectangle

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



17.2858, 18.7492, 50.2848



23.7779, 18.7492, 39.3631



18.3662, 18.7492, 5.5932



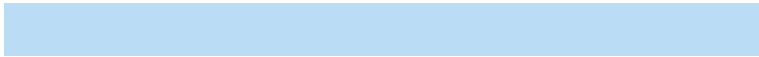
12.9519, 18.7492, 8.7979

Sweetspot

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



17.2865, 18.7498, 50.2853



62.2501, 68.1012, 96.0901



21.2411, 37.3709, 18.5796



12.7471, 14.0125, 20.5754



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.



17.2865, 18.7498, 50.2853



27.0517, 27.4971, 90.1079



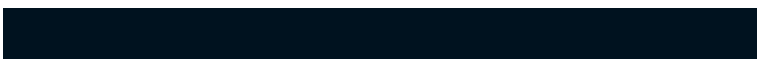
11.1962, 6.5691, 48.2552



9.4591, 10.1105, 12.1252



9.9038, 9.9194, 33.7855



0.4515, 0.5157, 1.3446

Inverse Universe

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



25.2002, 13.6906, 20.7168



43.0068, 21.8110, 29.4813



36.5828, 41.7655, 8.1420



9.7536, 9.6257, 11.0913



15.9998, 8.0311, 10.5583



0.6588, 0.3274, 0.5826

Previews

White Background



This preview shows how the XYZ color 17.2858, 18.7492, 50.2848 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 17.2858, 18.7492, 50.2848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

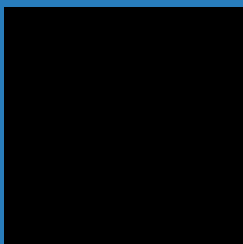
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

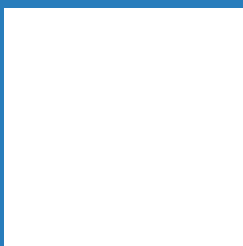
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.2858, 18.7492, 50.2848

Background



This preview shows how black text looks on a background with the XYZ color 17.2858, 18.7492, 50.2848.

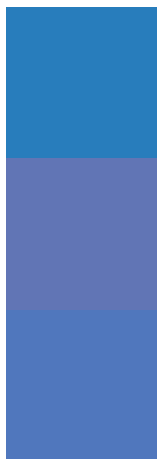


This preview shows how white text looks on a background with the XYZ color 17.2858, 18.7492,

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

17.2858, 18.7492, 50.2848

Protanopia

19.6315, 18.6002, 46.2716

Deuteranopia

19.0904, 18.5732, 50.7229



Tritanopia

13.3455, 18.7582, 28.9039

Trichromacy



Original Color

17.2858, 18.7492, 50.2848

Protanomaly

18.3487, 18.4301, 47.9377

Deuteranomaly

18.2027, 18.4727, 50.7503

Tritanomaly

14.4376, 18.5700, 35.6243

Monochromacy



Original Color

17.2858, 18.7492, 50.2848

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.0285, 15.6512, 25.5742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2858, 18.7492, 50.2848 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(40, 125, 188)` looks like.

```
.text, #text, p{  
    color:rgb(40, 125, 188)  
}
```

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(40, 125, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 125, 188) }
```

Border

The CSS property to change the border of an element to XYZ 17.2858, 18.7492, 50.2848 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(40, 125, 188) }
```


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

```
.border{ border-color:rgb(40, 125, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 125, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 125, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 125, 188);  
box-shadow:4px 4px 4px 4px rgb(40, 125,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2858, 18.7492, 50.2848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 125, 188) }
```

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

```
.background{ background-color: rgb(40, 125,  
188) }
```

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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