

Converting Colors

XYZ(12.5768, 17.5941, 23.3348)

Have a look what the booklet for
XYZ(12.5768, 17.5941, 23.3348)
contains.

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Color

**XYZ(12.6878, 17.7366,
23.5237)**

Conversions

Conversions Part 1

Format	Color
Hex	288181
RGB	40, 129, 129
RGB Percent	16%, 51%, 51%
CMY	0.8431, 0.4941, 0.4941
CMYK	0.69, 0.00, 0.00, 0.49
HSL	180°, 53%, 33%
HSV	180°, 69%, 51%
XYZ	12.6878, 17.7366, 23.5237
YIQ	102.3890, -53.0440, -18.8680

Conversions

Conversions Part 2

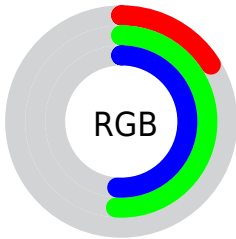
Format	Color
RYB	40, 85, 129
Decimal	2654593
CIELab	49.18, -25.39, -7.64
CIElCh	49, 26.515, 196.742
Yxy	17.7366, 0.2352, 0.3288
Android (android.graphics.Color)	4280844673 (0xFF288181)
YUV	102.3890, 13.1192, -54.7152
Hunter-Lab	42.1148, -19.9249, -3.6367




Details

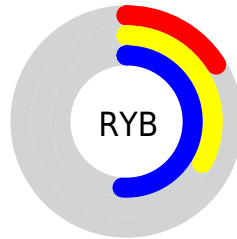
The XYZ color **12.6878, 17.7366, 23.5237** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.1957, 6.3385, 2.6942**, and the grayscale version is **12.7084, 13.3703, 14.5602**.




A 20% lighter version of the original color is **30.3170, 39.4859, 50.2796**, and **4.2439, 6.1712, 8.5569** is the 20% darker color. If you saturate the color by 10%, you get **12.2678, 17.5205, 23.5044**, and if you desaturate by 10%, it is **13.2763, 18.0404, 23.5517**.

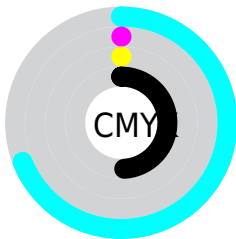
Distribution







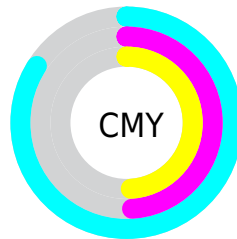
-  Red (16%)
-  Green (51%)
-  Blue (51%)






-  Red (16%)
-  Yellow (33%)
-  Blue (51%)



-  Cyan (69%)
-  Magenta (0%)
-  Yellow (0%)
-  Black (49%)



-  Cyan (84%)
-  Magenta (49%)
-  Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6878, 17.7366, 23.5237 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 12.6878, 17.7366, 23.5237 by changing the saturation by 10% instead.

■ 12.6878, 17.7366,
23.5237

■ 12.6878, 17.7366,
23.5237

202.5853,
239.3822, 283.6121

■ 7.2894, 10.7610,
14.7718

■ 30.3479, 39.5880,
50.1859

■ 3.6917, 5.9064,
8.5145

■ 43.3403, 55.2326,
68.9332

■ 1.5292, 2.7882,
4.3334

■ 59.5947, 74.5357,
91.8493

■ 0.3456, 1.0222,
1.8100

■ 79.4766, 97.8817,
119.3529

■ 0.0000, 0.0000,
0.4345

■ 103.3512,
125.6549, 151.8625

■ 0.0000, 0.0000,
0.0000

■ 131.5840,

158.2398, 189.7965

164.5402,
196.0208, 233.5735

■ 12.6878, 17.7366,
23.5237

■ 12.6878, 17.7366,
23.5237

■ 12.2678, 17.5205,
23.5044

■ 13.2763, 18.0404,
23.5517

■ 11.9973, 17.3810,
23.4917

■ 14.0468, 18.4376,
23.5878

■ 11.8293, 17.2944,
23.4838

■ 15.0132, 18.9358,
23.6331

■ 11.8130, 17.2860,
23.4830

■ 16.1875, 19.5412,
23.6881

■ 17.5810, 20.2595,
23.7533

■ 19.2040, 21.0962,
23.8293

■ 21.0662, 22.0562,
23.9165

■ 23.1768, 23.1442,
24.0153

■ 25.5443, 24.3647,
24.1262

Harmonies

Analogous

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



12.6258, 17.7366, 16.3435



12.6878, 17.7366, 23.5237



13.7940, 17.7366, 31.0767

Triad

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



12.6878, 17.7366, 23.5237



20.5788, 17.7366, 30.2768



17.9767, 17.7366, 8.8281

Complementary

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



12.6878, 17.7366, 23.5237



10.1957, 6.3385, 2.6942

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.



20.3453, 17.7366, 10.9692



12.6878, 17.7366, 23.5237



21.9441, 17.7366, 22.6201

Square

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



12.6878, 17.7366, 23.5237



18.2708, 17.7366, 35.5839



21.8547, 17.7366, 15.6359



15.5202, 17.7366, 8.9563

Rectangle

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



12.6878, 17.7366, 23.5237



15.0426, 17.7366, 34.7910



21.8547, 17.7366, 15.6359



18.8141, 17.7366, 9.2786

Sweetspot

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



12.6883, 17.7373, 23.5241



30.8200, 35.9375, 42.5046



9.1677, 16.3358, 4.6780



6.8452, 8.0669, 9.6146



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.



12.6883, 17.7373, 23.5241



21.6496, 31.2100, 42.0749



8.1647, 8.6898, 22.0165



4.4464, 4.8869, 5.5222



11.5175, 16.8536, 22.8955



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.1957, 6.3385, 2.6942



16.8593, 9.3044, 2.0448



12.5315, 11.0102, 3.4727



4.3278, 4.3443, 4.5306



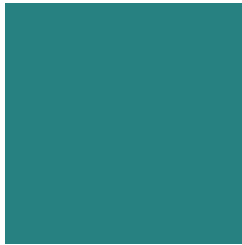
8.8271, 4.5505, 0.4131



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.6878, 17.7366, 23.5237 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 12.6878, 17.7366, 23.5237 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 12.6878, 17.7366, 23.5237

Background



This preview shows how black text looks on a background with the XYZ color 12.6878, 17.7366, 23.5237.



This preview shows how white text looks on a background with the XYZ color 12.6878, 17.7366,

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

12.6878, 17.7366, 23.5237

Protanopia

17.0327, 17.6532, 20.5988

Deuteranopia

17.8157, 17.4693, 24.2627



Tritanopia

13.3888, 17.8312, 26.7809

Trichromacy



Original Color

12.6878, 17.7366, 23.5237

Protanomaly

14.5953, 17.2538, 21.6299

Deuteranomaly

15.0079, 17.0565, 23.9740

Tritanomaly

13.0886, 17.7012, 25.6485

Monochromacy



Original Color

12.6878, 17.7366, 23.5237

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.9432, 14.4205, 17.4832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6878, 17.7366, 23.5237 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, 129, 129)` looks like.

```
.text, #text, p{  
    color:rgb(40, 129, 129)  
}
```

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, 129, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 129, 129) }
```

Border

The CSS property to change the border of an element to XYZ 12.6878, 17.7366, 23.5237 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, 129, 129) }
```


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

```
.border{ border-color:rgb(40, 129, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 129, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 129, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 129, 129);  
box-shadow:4px 4px 4px 4px rgb(40, 129,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6878, 17.7366, 23.5237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 129, 129) }
```

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

```
.background{ background-color: rgb(40, 129,  
129) }
```

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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