

Converting Colors

XYZ(12.4483, 16.9556, 24.4470)

Have a look what the booklet for
XYZ(12.4483, 16.9556, 24.4470)
contains.

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Color

**XYZ(12.5008, 17.0388,
24.4597)**

Conversions

Conversions Part 1

Format	Color
Hex	287E84
RGB	40, 126, 132
RGB Percent	16%, 49%, 52%
CMY	0.8431, 0.5059, 0.4824
CMYK	0.70, 0.05, 0.00, 0.48
HSL	184°, 53%, 34%
HSV	184°, 70%, 52%
XYZ	12.5008, 17.0388, 24.4597
YIQ	100.9700, -53.1820, -16.3660

Conversions

Conversions Part 2

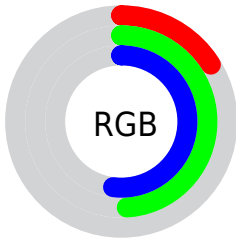
Format	Color
RYB	40, 84, 132
Decimal	2653828
CIELab	48.31, -22.92, -10.70
CIELCh	48, 25.294, 205.031
Yxy	17.0388, 0.2315, 0.3155
Android (android.graphics.Color)	4280843908 (0xFF287E84)
YUV	100.9700, 15.2978, -53.4707
Hunter-Lab	41.2781, -18.1791, -6.2382

Details

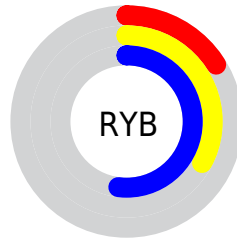
The XYZ color **12.5008, 17.0388, 24.4597** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **10.8761, 7.0132, 2.7884**, and the grayscale version is **12.3342, 12.9765, 14.1314**.

A 20% lighter version of the original color is **30.0226, 38.3956, 51.7277**, and **4.2152, 5.9323, 9.1065** is the 20% darker color. If you saturate the color by 10%, you get **11.9633, 16.5994, 24.4035**, and if you desaturate by 10%, it is **13.2156, 17.5718, 24.5252**.

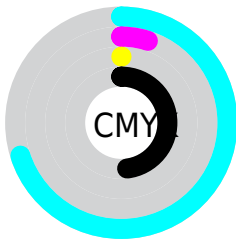
Distribution



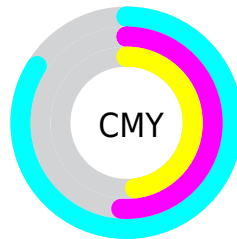
- Red (16%)
- Green (49%)
- Blue (52%)



- Red (16%)
- Yellow (33%)
- Blue (52%)



- Cyan (70%)
- Magenta (5%)
- Yellow (0%)
- Black (48%)



- Cyan (84%)
- Magenta (51%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5008, 17.0388, 24.4597 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 12.5008, 17.0388, 24.4597 by changing the saturation by 10% instead.

■ 12.5008, 17.0388,
24.4597

■ 12.5008, 17.0388,
24.4597

■ 201.3960,
235.3959, 288.4975

■ 7.1603, 10.2622,
15.4596

■ 30.0130, 38.3925,
51.7325

■ 3.6098, 5.5731,
8.9924

■ 42.9154, 53.7383,
70.8424

■ 1.4838, 2.5873,
4.6395

■ 59.0692, 72.7093,
94.1592

■ 0.3148, 0.9203,
1.9823

■ 78.8397, 95.6899,
122.1016

■ 0.0000, 0.0000,
0.5444

■ 102.5923,
123.0644, 155.0881

■ 0.0000, 0.0000,
0.0000

■ 130.6923,

155.2174, 193.5372

163.5051,
192.5330, 237.8675

■ 12.5008, 17.0388,
24.4597

■ 12.5008, 17.0388,
24.4597

■ 11.9633, 16.5994,
24.4035

■ 13.2156, 17.5718,
24.5252

■ 11.5828, 16.2419,
24.3546

■ 14.1223, 18.2047,
24.5996

■ 11.3051, 15.9389,
24.3107

■ 15.2356, 18.9455,
24.6839

■ 11.2968, 15.9297,
24.3094

■ 16.5685, 19.8010,
24.7788

■ 18.1329, 20.7772,
24.8848

■ 19.9397, 21.8799,
25.0024

■ 21.9992, 23.1142,
25.1321

■ 24.3213, 24.4853,
25.2743

■ 26.9150, 25.9979,
25.4296

Harmonies

Analogous

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



12.1675, 17.0388, 17.4741



12.5008, 17.0388, 24.4597



13.7845, 17.0388, 31.0233

Triad

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



12.5008, 17.0388, 24.4597



20.1063, 17.0388, 26.8225



16.5820, 17.0388, 8.5601

Complementary

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



12.5008, 17.0388, 24.4597



10.8761, 7.0132, 2.7884

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.



18.8710, 17.0388, 9.9716



12.5008, 17.0388, 24.4597



21.0253, 17.0388, 19.6741

Square

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



12.5008, 17.0388, 24.4597



18.1440, 17.0388, 32.5988



20.5532, 17.0388, 13.6821



14.3906, 17.0388, 9.2620

Rectangle

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



12.5008, 17.0388, 24.4597



15.0765, 17.0388, 33.7204



20.5532, 17.0388, 13.6821



17.3672, 17.0388, 8.7909

Sweetspot

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



12.5013, 17.0394, 24.4601



31.4205, 36.2772, 43.7993



9.5928, 17.1404, 5.2458



7.1608, 8.3501, 10.1870



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.5013, 17.0394, 24.4601



20.6283, 28.8342, 42.9315



8.0127, 8.0622, 22.9639



4.7763, 5.2283, 5.9582



10.9395, 15.4267, 23.5378



0.0398, 0.0573, 0.0822

Inverse Universe

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



14.0408, 7.9300, 20.5300



23.6381, 12.0311, 35.0225



13.6062, 12.4733, 3.6985



4.8451, 4.7577, 5.7968



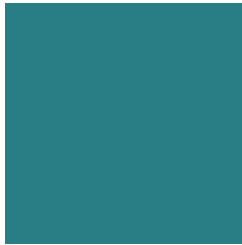
12.6998, 6.1443, 18.7896



0.0450, 0.0217, 0.0703

Previews

White Background



This preview shows how the XYZ color 12.5008, 17.0388, 24.4597 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 12.5008, 17.0388, 24.4597 looks on a black 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

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

XYZ 12.5008, 17.0388, 24.4597

Background



This preview shows how black text looks on a background with the XYZ color 12.5008, 17.0388, 24.4597.



This preview shows how white text looks on a background with the XYZ color 12.5008, 17.0388,

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

12.5008, 17.0388, 24.4597

Protanopia

16.3533, 16.7762, 21.4450

Deuteranopia

17.1278, 16.7630, 25.2545



Tritanopia

12.7324, 16.9370, 25.8907

Trichromacy



Original Color

12.5008, 17.0388, 24.4597

Protanomaly

14.1470, 16.4676, 22.5116

Deuteranomaly

14.5730, 16.2867, 24.9298

Tritanomaly

12.6212, 16.8879, 25.5162

Monochromacy



Original Color

12.5008, 17.0388, 24.4597

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.7250, 13.9840, 17.4104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5008, 17.0388, 24.4597 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, 126, 132)` looks like.

```
.text, #text, p{  
    color:rgb(40, 126, 132)  
}
```

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, 126, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 126, 132) }
```

Border

The CSS property to change the border of an element to XYZ 12.5008, 17.0388, 24.4597 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, 126, 132) }
```


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

```
.border{ border-color:rgb(40, 126, 132) }
```

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

Here you see how a box with a 4 pixel rgb(40, 126, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 126, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 126, 132);  
box-shadow:4px 4px 4px 4px rgb(40, 126,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5008, 17.0388, 24.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 126, 132) }
```

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

```
.background{ background-color: rgb(40, 126,  
132) }
```

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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