

Converting Colors

XYZ(9.3077, 12.5785, 17.2666)

Have a look what the booklet for
XYZ(9.3077, 12.5785, 17.2666)
contains.

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Color

**XYZ(9.3077, 12.5785,
17.2666)**

Conversions

Conversions Part 1

Format	Color
Hex	296D70
RGB	41, 109, 112
RGB Percent	16%, 43%, 44%
CMY	0.8392, 0.5725, 0.5608
CMYK	0.63, 0.03, 0.00, 0.56
HSL	183°, 46%, 30%
HSV	183°, 63%, 44%
XYZ	9.3077, 12.5785, 17.2666
YIQ	89.0100, -41.4910, -13.4830

Conversions

Conversions Part 2

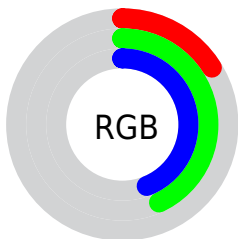
Format	Color
RYB	41, 76, 112
Decimal	2714992
CIELab	42.12, -20.06, -8.05
CIELCh	42, 21.611, 201.857
Yxy	12.5785, 0.2377, 0.3213
Android (android.graphics.Color)	4280905072 (0xFF296D70)
YUV	89.0100, 11.3341, -42.1048
Hunter-Lab	35.4662, -15.2205, -4.0388

Details

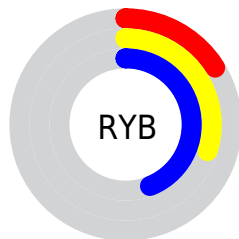
The XYZ color **9.3077, 12.5785, 17.2666** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.9833, 5.4065, 2.7209**, and the grayscale version is **9.4804, 9.9741, 10.8618**.

A 20% lighter version of the original color is **24.1650, 30.6030, 39.7553**, and **2.5942, 3.7077, 5.4294** is the 20% darker color. If you saturate the color by 10%, you get **8.8728, 12.2799, 17.2321**, and if you desaturate by 10%, it is **9.8708, 12.9442, 17.3077**.

Distribution



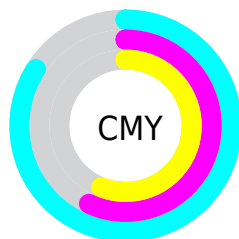
- Red (16%)
- Green (43%)
- Blue (44%)



- Red (16%)
- Yellow (30%)
- Blue (44%)



- Cyan (63%)
- Magenta (3%)
- Yellow (0%)
- Black (56%)



- Cyan (84%)
- Magenta (57%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.3077, 12.5785, 17.2666 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 9.3077, 12.5785, 17.2666 by changing the saturation by 10% instead.

9.3077, 12.5785,
17.2666

9.3077, 12.5785,
17.2666

179.8159,
208.1984, 248.7998

5.0011, 7.1389,
10.2608

24.1466, 30.5444,
39.5805

2.2827, 3.5492,
5.4644

35.4097, 43.8396,
55.7257

0.7858, 1.4247,
2.4587

49.7223, 60.5221,
75.7544

0.0000, 0.2348,
0.8182

67.4498, 80.9763,
100.0852

0.0000, 0.0000,
0.0000

88.9576, 105.5867,
129.1365

114.6109,

134.7375, 163.3271

144.7753,
168.8133, 203.0753

■ 9.3077, 12.5785,
17.2666

■ 9.3077, 12.5785,
17.2666

■ 8.8728, 12.2799,
17.2321

■ 9.8708, 12.9442,
17.3077

■ 8.5540, 12.0411,
17.2028

■ 10.5708, 13.3806,
17.3551

■ 8.3359, 11.8548,
17.1784

■ 11.4169, 13.8927,
17.4093

■ 8.2105, 11.7415,
17.1631

■ 12.4173, 14.4848,
17.4709

■ 13.5795, 15.1607,
17.5401

■ 14.9105, 15.9240,
17.6173

■ 16.4169, 16.7782,
17.7027

■ 18.1050, 17.7264,
17.7968

■ 19.9807, 18.7717,
17.8997

Harmonies

Analogous

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



9.1468, 12.5785, 12.4787



9.3077, 12.5785, 17.2666



10.1446, 12.5785, 21.9135

Triad

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



9.3077, 12.5785, 17.2666



14.5576, 12.5785, 19.9299



12.3991, 12.5785, 6.6636

Complementary

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



9.3077, 12.5785, 17.2666



7.9833, 5.4065, 2.7209

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.



13.9700, 12.5785, 7.8422



9.3077, 12.5785, 17.2666



15.2872, 12.5785, 14.9897

Square

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



9.3077, 12.5785, 17.2666



13.1447, 12.5785, 23.6757



15.0631, 12.5785, 10.6548



10.8402, 12.5785, 7.0082

Rectangle

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



9.3077, 12.5785, 17.2666



11.0177, 12.5785, 23.9597



15.0631, 12.5785, 10.6548



12.9450, 12.5785, 6.8833

Sweetspot

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



9.3081, 12.5790, 17.2669



22.5740, 25.8902, 30.7373



7.1517, 12.2372, 4.3063



5.3161, 6.1574, 7.3781



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



9.3081, 12.5790, 17.2669



15.3053, 21.3669, 30.2473



6.2971, 6.5571, 16.2632



3.4635, 3.7922, 4.3036



9.4875, 13.5653, 19.8399



47.0980, 67.2478, 98.7769

Inverse Universe

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



10.2357, 6.1351, 15.1132



17.1206, 9.1605, 25.9417



9.8690, 9.1780, 3.3495



3.5086, 3.4512, 4.2051



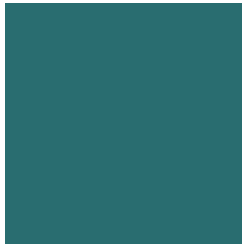
10.8072, 5.2153, 16.5925



53.7528, 25.9465, 82.2196

Previews

White Background



This preview shows how the XYZ color 9.3077, 12.5785, 17.2666 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 9.3077, 12.5785, 17.2666 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 9.3077, 12.5785, 17.2666

Background



This preview shows how black text looks on a background with the XYZ color 9.3077, 12.5785, 17.2666.



This preview shows how white text looks on a background with the XYZ color 9.3077, 12.5785,

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

9.3077, 12.5785, 17.2666

Protanopia

12.0631, 12.4079, 15.1238

Deuteranopia

12.7360, 12.5539, 17.9715



Tritanopia

9.5697, 12.5231, 18.7424

Trichromacy



Original Color

9.3077, 12.5785, 17.2666

Protanomaly

10.6000, 12.2052, 15.9845

Deuteranomaly

10.9154, 12.1845, 17.6961

Tritanomaly

9.4119, 12.4552, 18.1277

Monochromacy



Original Color

9.3077, 12.5785, 17.2666

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.0130, 10.6065, 12.8815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.3077, 12.5785, 17.2666 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(41, 109, 112)` looks like.

```
.text, #text, p{  
    color:rgb(41, 109, 112)  
}
```

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(41, 109, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 109, 112) }
```

Border

The CSS property to change the border of an element to XYZ 9.3077, 12.5785, 17.2666 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(41, 109, 112) }
```


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

```
.border{ border-color:rgb(41, 109, 112) }
```

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

Here you see how a box with a 4 pixel rgb(41, 109, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 109, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 109, 112);  
box-shadow:4px 4px 4px 4px rgb(41, 109,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 9.3077, 12.5785, 17.2666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 109, 112) }
```

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

```
.background{ background-color: rgb(41, 109,  
112) }
```

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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