

Converting Colors

XYZ(12.7392, 15.9931, 18.7411)

Have a look what the booklet for
XYZ(12.7392, 15.9931, 18.7411)
contains.

XYZ(12.7519, 16.0092, 18.6377)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.7519, 16.0092,
18.6377)**

Conversions

Conversions Part 1

Format	Color
Hex	4D7773
RGB	77, 119, 115
RGB Percent	30%, 47%, 45%
CMY	0.6980, 0.5333, 0.5490
CMYK	0.35, 0.00, 0.03, 0.53
HSL	174°, 21%, 38%
HSV	174°, 35%, 47%
XYZ	12.7519, 16.0092, 18.6377
YIQ	105.9860, -23.7480, -10.1480

Conversions

Conversions Part 2

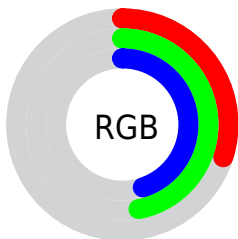
Format	Color
RYB	77, 99, 119
Decimal	5076851
CIELab	46.99, -15.53, -2.45
CIELCh	47, 15.720, 188.965
Yxy	16.0092, 0.2690, 0.3378
Android (android.graphics.Color)	4283266931 (0xFF4D7773)
YUV	105.9860, 4.4439, -25.4207
Hunter-Lab	40.0115, -13.1311, 0.3903

Details

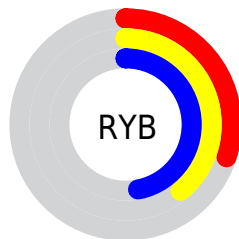
The XYZ color **12.7519, 16.0092, 18.6377** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.7474, 9.8242, 9.0623**, and the grayscale version is **13.6890, 14.4019, 15.6836**.

A 20% lighter version of the original color is **30.4400, 36.5050, 42.0010**, and **3.6822, 5.0324, 6.0875** is the 20% darker color. If you saturate the color by 10%, you get **11.8135, 15.5333, 18.2557**, and if you desaturate by 10%, it is **13.8677, 16.5773, 19.0329**.

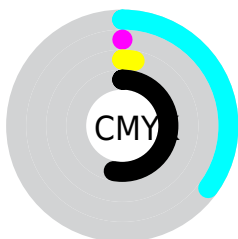
Distribution



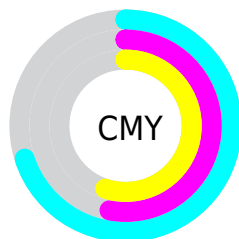
- Red (30%)
- Green (47%)
- Blue (45%)



- Red (30%)
- Yellow (39%)
- Blue (47%)



- Cyan (35%)
- Magenta (0%)
- Yellow (3%)
- Black (53%)



- Cyan (70%)
- Magenta (53%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7519, 16.0092, 18.6377 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 12.7519, 16.0092, 18.6377 by changing the saturation by 10% instead.

■ 12.7519, 16.0092,
18.6377

■ 12.7519, 16.0092,
18.6377

202.9914,
229.3960, 256.7970

■ 7.3337, 9.5307,
11.2346

■ 30.4625, 36.6142,
41.9495

■ 3.7199, 5.0889,
6.1087

■ 43.4856, 51.5094,
58.6953

■ 1.5449, 2.2995,
2.8414

■ 59.7744, 69.9790,
79.3925

■ 0.3561, 0.7735,
1.0143

■ 79.6943, 92.4073,
104.4595

■ 0.0000, 0.0000,
0.0000

■ 103.6105,
119.1788, 134.3149

131.8886,

150.6778, 169.3773

164.8937,
187.2887, 210.0651

■ 12.7519, 16.0092,
18.6377

■ 12.7519, 16.0092,
18.6377

■ 11.8135, 15.5333,
18.2557

■ 13.8677, 16.5773,
19.0329

■ 11.0416, 15.1428,
17.8852

■ 15.1685, 17.2401,
19.4407

■ 10.4260, 14.8328,
17.5263

■ 16.6629, 18.0027,
19.8617

■ 9.9551, 14.5972,
17.1782

■ 18.3587, 18.8691,
20.2964

■ 9.6156, 14.4293,
16.8405

■ 20.2632, 19.8430,
20.7451

■ 9.3846, 14.3173,
16.5119

■ 22.3835, 20.9280,
21.2082

■ 9.2861, 14.2698,
16.3592

■ 24.7262, 22.1275,
21.6859

■ 27.2976, 23.4449,
22.1786

■ 30.1038, 24.8832,
22.6867

Harmonies

Analogous

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



12.8802, 16.0092, 14.8530



12.7519, 16.0092, 18.6377



13.2523, 16.0092, 22.6379

Triad

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



12.7519, 16.0092, 18.6377



16.9396, 16.0092, 24.0043



16.1848, 16.0092, 11.2776

Complementary

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



12.7519, 16.0092, 18.6377



11.7474, 9.8242, 9.0623

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.



17.3653, 16.0092, 13.0913



12.7519, 16.0092, 18.6377



17.8190, 16.0092, 20.2920

Square

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



12.7519, 16.0092, 18.6377



15.6319, 16.0092, 26.0286



17.9793, 16.0092, 16.2781



14.8081, 16.0092, 10.9722

Rectangle

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



12.7519, 16.0092, 18.6377



13.8938, 16.0092, 24.7552



17.9793, 16.0092, 16.2781



16.6200, 16.0092, 11.7164

Sweetspot

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



12.7524, 16.0098, 18.6381



28.1933, 31.3975, 35.1113



11.3474, 15.4883, 9.4130



6.6155, 7.4072, 8.3021



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.7524, 16.0098, 18.6381



21.5018, 27.9912, 32.8402



11.1619, 12.4523, 19.2687



3.7690, 4.1496, 4.6175



9.8637, 15.1595, 17.3701



47.8949, 73.8052, 83.7406

Inverse Universe

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



11.7474, 9.8242, 9.0623



19.4298, 15.2251, 13.0882



12.9328, 12.4282, 8.7388



3.6968, 3.7060, 3.9303



8.1471, 4.1926, 0.7169



39.5514, 20.3707, 2.7010

Previews

White Background



This preview shows how the XYZ color 12.7519, 16.0092, 18.6377 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 12.7519, 16.0092, 18.6377 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

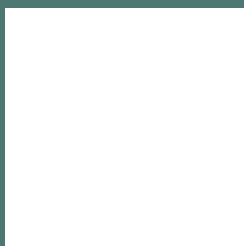
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7519, 16.0092, 18.6377

Background



This preview shows how black text looks on a background with the XYZ color 12.7519, 16.0092, 18.6377.



This preview shows how white text looks on a background with the XYZ color 12.7519, 16.0092,

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

12.7519, 16.0092, 18.6377

Protanopia

15.2005, 15.7884, 16.9982

Deuteranopia

16.1812, 15.9314, 19.0519



Tritanopia

13.5003, 15.9604, 22.4478

Trichromacy



Original Color

12.7519, 16.0092, 18.6377

Protanomaly

14.0853, 15.6894, 17.6152

Deuteranomaly

14.6555, 15.7924, 18.7988

Tritanomaly

13.2780, 16.0492, 21.1369

Monochromacy



Original Color

12.7519, 16.0092, 18.6377

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.1641, 14.9059, 16.6513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7519, 16.0092, 18.6377 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(77, 119, 115)` looks like.

```
.text, #text, p{  
    color:rgb(77, 119, 115)  
}
```

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(77, 119, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 119, 115) }
```

Border

The CSS property to change the border of an element to XYZ 12.7519, 16.0092, 18.6377 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(77, 119, 115) }
```


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

```
.border{ border-color:rgb(77, 119, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 119, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 119, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 119, 115);  
box-shadow:4px 4px 4px 4px rgb(77, 119,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7519, 16.0092, 18.6377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 119, 115) }
```

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

```
.background{ background-color: rgb(77, 119,  
115) }
```

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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