

Converting Colors

XYZ(7.9771, 10.1681, 16.0104)

Have a look what the booklet for
XYZ(7.9771, 10.1681, 16.0104)
contains.

XYZ(7.9495, 10.1249, 16.0033)	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(7.9495, 10.1249,
16.0033)**

Conversions

Conversions Part 1

Format	Color
Hex	29616D
RGB	41, 97, 109
RGB Percent	16%, 38%, 43%
CMY	0.8392, 0.6196, 0.5725
CMYK	0.62, 0.11, 0.00, 0.57
HSL	191°, 45%, 29%
HSV	191°, 62%, 43%
XYZ	7.9495, 10.1249, 16.0033
YIQ	81.6240, -37.2280, -8.1400

Conversions

Conversions Part 2

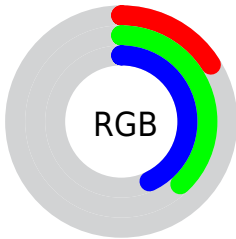
Format	Color
R_{YB}	41, 72, 109
Decimal	2711917
CIE Lab	38.07, -14.38, -12.33
CIE LCh	38, 18.944, 220.610
Yxy	10.1249, 0.2333, 0.2971
Android (android.graphics.Color)	4280901997 (0xFF29616D)
YUV	81.6240, 13.4964, -35.6272
Hunter-Lab	31.8196, -11.0897, -7.5454

Details

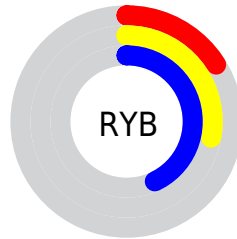
The XYZ color **7.9495, 10.1249, 16.0033** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.9804, 5.9580, 2.8277**, and the grayscale version is **7.9246, 8.3373, 9.0793**.

A 20% lighter version of the original color is **21.5512, 26.0976, 37.1592**, and **2.0101, 2.6290, 4.9589** is the 20% darker color. If you saturate the color by 10%, you get **7.3981, 9.5802, 15.9274**, and if you desaturate by 10%, it is **8.6264, 10.7411, 16.0868**.

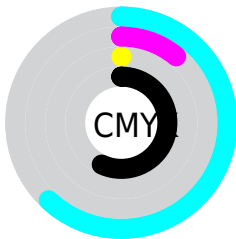
Distribution



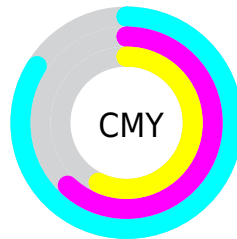
- Red (16%)
- Green (38%)
- Blue (43%)



- Red (16%)
- Yellow (28%)
- Blue (43%)



- Cyan (62%)
- Magenta (11%)
- Yellow (0%)
- Black (57%)



- Cyan (84%)
- Magenta (62%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.9495, 10.1249, 16.0033 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 7.9495, 10.1249, 16.0033 by changing the saturation by 10% instead.

7.9495, 10.1249,
16.0033

7.9495, 10.1249,
16.0033

169.7140,
191.5612, 241.2076

4.1142, 5.4818,
9.3721

21.5458, 26.0302,
37.3708

1.7669, 2.5327,
4.8846

32.0374, 38.0612,
52.9442

0.4976, 0.8929,
2.1221

45.4785, 53.3236,
72.3354

0.0000, 0.0000,
0.6289

62.2345, 72.2019,
95.9630

0.0000, 0.0000,
0.0000

82.6707, 95.0804,
124.2454

107.1524,

122.3435, 157.6013

136.0451,
154.3756, 196.4492

■ 7.9495, 10.1249,
16.0033

■ 7.9495, 10.1249,
16.0033

■ 7.3981, 9.5802,
15.9274

■ 8.6264, 10.7411,
16.0868

■ 6.9608, 9.1004,
15.8579

■ 9.4368, 11.4324,
16.1775

■ 6.6251, 8.6794,
15.7943

■ 10.3894, 12.2035,
16.2761

■ 6.3967, 8.3769,
15.7479

■ 11.4916, 13.0583,
16.3830

■ 12.7504, 14.0003,
16.4985

■ 14.1725, 15.0332,
16.6229

■ 15.7640, 16.1600,
16.7565

■ 17.5307, 17.3839,
16.8996

■ 19.4782, 18.7077,
17.0525

Harmonies

Analogous

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



7.4961, 10.1249, 12.3087



7.9495, 10.1249, 16.0033



8.8651, 10.1249, 18.6571

Triad

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



7.9495, 10.1249, 16.0033



12.0112, 10.1249, 13.4096



9.1977, 10.1249, 5.6498

Complementary

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



7.9495, 10.1249, 16.0033



7.9804, 5.9580, 2.8277

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.



10.4238, 10.1249, 5.8221



7.9495, 10.1249, 16.0033



12.1193, 10.1249, 9.8325

Square

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



7.9495, 10.1249, 16.0033



11.2332, 10.1249, 16.9543



11.5172, 10.1249, 7.2027



8.1753, 10.1249, 6.6686

Rectangle

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



7.9495, 10.1249, 16.0033



9.6484, 10.1249, 19.2032



11.5172, 10.1249, 7.2027



9.5984, 10.1249, 5.5768

Sweetspot

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



7.9498, 10.1253, 16.0035



21.1914, 23.8478, 29.3934



7.0108, 11.6599, 5.1699



4.8222, 5.4669, 6.8298



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



7.9498, 10.1253, 16.0035



12.8550, 16.7370, 28.4603



5.4899, 5.2054, 15.1836



3.1386, 3.4056, 3.9268



7.4663, 9.7670, 18.4140



37.4775, 48.6335, 93.6381

Inverse Universe

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



9.2576, 5.7006, 11.9219



15.5467, 8.5182, 19.8603



10.0617, 10.1207, 3.5215



3.1958, 3.1552, 3.7613



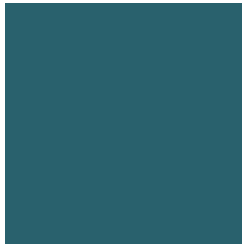
9.5155, 4.6583, 11.6092



48.1997, 23.6218, 57.6476

Previews

White Background



This preview shows how the XYZ color 7.9495, 10.1249, 16.0033 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 7.9495, 10.1249, 16.0033 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 7.9495, 10.1249, 16.0033

Background



This preview shows how black text looks on a background with the XYZ color 7.9495, 10.1249, 16.0033.



This preview shows how white text looks on a background with the XYZ color 7.9495, 10.1249,

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

7.9495, 10.1249, 16.0033

Protanopia

9.9510, 10.1503, 14.2667

Deuteranopia

10.2079, 9.9903, 16.4292



Tritanopia

7.7542, 10.1866, 14.9221

Trichromacy



Original Color

7.9495, 10.1249, 16.0033

Protanomaly

8.9027, 9.9763, 14.8210

Deuteranomaly

9.0813, 9.9101, 16.1860

Tritanomaly

7.8443, 10.2271, 15.1963

Monochromacy



Original Color

7.9495, 10.1249, 16.0033

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

7.6547, 8.7824, 11.4169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.9495, 10.1249, 16.0033 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, 97, 109)` looks like.

```
.text, #text, p{  
    color:rgb(41, 97, 109)  
}
```

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, 97, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 97, 109) }
```

Border

The CSS property to change the border of an element to XYZ 7.9495, 10.1249, 16.0033 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, 97, 109) }
```


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

```
.border{ border-color:rgb(41, 97, 109) }
```

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

Here you see how a box with a 4 pixel rgb(41, 97, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 97, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 97, 109);  
box-shadow:4px 4px 4px 4px rgb(41, 97,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 7.9495, 10.1249, 16.0033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 97, 109) }
```

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

```
.background{ background-color: rgb(41, 97,  
109) }
```

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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