

Converting Colors

XYZ(16.5964, 10.2773, 7.3633)

Have a look what the booklet for
XYZ(16.5964, 10.2773, 7.3633)
contains.

XYZ(16.5763, 10.2963, 7.4171)	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(16.5763, 10.2963,
7.4171)**

Conversions

Conversions Part 1

Format	Color
Hex	9E3549
RGB	158, 53, 73
RGB Percent	62%, 21%, 29%
CMY	0.3804, 0.7921, 0.7137
CMYK	0.00, 0.66, 0.54, 0.38
HSL	349°, 50%, 41%
HSV	349°, 66%, 62%
XYZ	16.5763, 10.2963, 7.4171
YIQ	86.6750, 56.1600, 28.4800

Conversions

Conversions Part 2

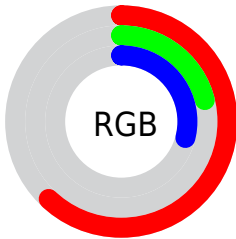
Format	Color
R_{YB}	158, 53, 73
Decimal	10368329
CIE _{Lab}	38.37, 45.00, 12.06
CIE _{LCh}	38, 46.591, 15.000
Yxy	10.2963, 0.4834, 0.3003
Android (android.graphics.Color)	4288558409 (0xFF9E3549)
YUV	86.6750, -6.7418, 62.5520
Hunter-Lab	32.0878, 36.0578, 8.7566

Details

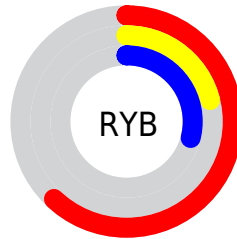
The XYZ color **16.5763, 10.2963, 7.4171** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **18.2832, 27.0459, 28.3034**, and the grayscale version is **8.9953, 9.4637, 10.3060**.

A 20% lighter version of the original color is **37.2205, 26.4403, 21.2309**, and **5.6012, 2.8604, 1.4852** is the 20% darker color. If you saturate the color by 10%, you get **15.5897, 8.9335, 5.2068**, and if you desaturate by 10%, it is **17.8881, 12.1700, 10.1664**.

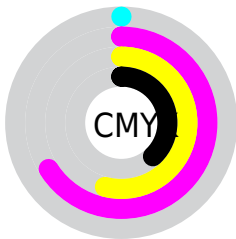
Distribution



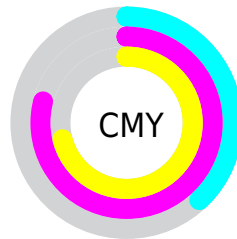
- Red (62%)
- Green (21%)
- Blue (29%)



- Red (62%)
- Yellow (21%)
- Blue (29%)



- Cyan (0%)
- Magenta (66%)
- Yellow (54%)
- Black (38%)



- Cyan (38%)
- Magenta (79%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5763, 10.2963, 7.4171 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 16.5763, 10.2963, 7.4171 by changing the saturation by 10% instead.

■ 16.5763, 10.2963,
7.4171

■ 16.5763, 10.2963,
7.4171

225.9229,
192.7739, 180.8462

■ 10.0263, 5.5959,
3.6419

■ 37.1453, 26.3513,
21.3345

■ 5.4788, 2.6009,
1.4310

■ 51.8949, 38.4747,
32.3138

■ 2.5684, 0.9271,
0.1657

■ 70.1085, 53.8412,
46.5316

■ 0.9299, 0.0000,
0.0000

■ 92.1514, 72.8352,
64.4064

■ 0.0000, 0.0000,
0.0000

■ 118.3889, 95.8410,
86.3567

■ 149.1864,

123.2432, 112.8010

184.9093,
155.4260, 144.1580

■ 16.5763, 10.2963,
7.4171

■ 16.5763, 10.2963,
7.4171

■ 15.5897, 8.9335,
5.2068

■ 17.8881, 12.1700,
10.1664

■ 14.8978, 8.0291,
3.4984

■ 19.5503, 14.5971,
13.4872

■ 14.4593, 7.5100,
2.2487

■ 21.5866, 17.6174,
17.4099

■ 14.3361, 7.3633,
1.9000

■ 24.0182, 21.2668,
21.9625

■ 26.8648, 25.5780,
27.1715

■ 30.1447, 30.5819,
33.0616

■ 33.8751, 36.3069,
39.6563

■ 38.0723, 42.7803,
46.9779

■ 42.7519, 50.0276,
55.0479

Harmonies

Analogous

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



16.5763, 10.2963, 16.1178



16.5763, 10.2963, 7.4171



14.5210, 10.2963, 3.0582

Triad

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



16.5763, 10.2963, 7.4171



6.2121, 10.2963, 3.0582



8.3520, 10.2963, 36.3501

Complementary

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



16.5763, 10.2963, 7.4171



18.2832, 27.0459, 28.3034

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.



6.2121, 10.2963, 27.6721



16.5763, 10.2963, 7.4171



5.1617, 10.2963, 7.4171

Square

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



16.5763, 10.2963, 7.4171



8.3520, 10.2963, 1.5755



5.1617, 10.2963, 16.1179



11.3761, 10.2963, 36.3501

Rectangle

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



16.5763, 10.2963, 7.4171



12.4661, 10.2963, 1.8606



5.1617, 10.2963, 16.1179



7.5210, 10.2963, 34.2103

Sweetspot

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



16.5766, 10.2969, 7.4173



46.6582, 43.2189, 45.4724



17.7617, 10.3338, 33.4063



10.2116, 9.2782, 9.6888



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.5766, 10.2969, 7.4173



27.6055, 15.2862, 7.7604



17.9529, 13.9454, 5.1143



6.6821, 6.6658, 7.1772



11.4932, 5.9018, 1.5822



0.2179, 0.1105, 0.0935

Inverse Universe

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



16.5766, 10.2969, 7.4173



27.6055, 15.2862, 7.7604



15.1652, 18.2760, 35.0762



6.6821, 6.6658, 7.1772



11.4932, 5.9018, 1.5822



0.2179, 0.1105, 0.0935

Previews

White Background



This preview shows how the XYZ color 16.5763, 10.2963, 7.4171 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

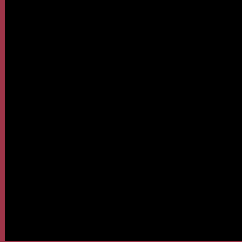
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5763, 10.2963, 7.4171

Background



This preview shows how black text looks on a background with the XYZ color 16.5763, 10.2963, 7.4171.



This preview shows how white text looks on a background with the XYZ color 16.5763, 10.2963,

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

16.5763, 10.2963, 7.4171

Protanopia

10.1871, 10.5820, 11.6308

Deuteranopia

10.6359, 10.4219, 6.9199



Tritanopia

16.1082, 10.3122, 5.2791

Trichromacy



Original Color

16.5763, 10.2963, 7.4171

Protanomaly

11.6297, 9.7455, 9.8625

Deuteranomaly

12.2258, 9.9100, 7.0628

Tritanomaly

16.1962, 10.2706, 5.9793

Monochromacy



Original Color

16.5763, 10.2963, 7.4171

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.8491, 9.1521, 9.1774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5763, 10.2963, 7.4171 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(158, 53, 73)` looks like.

```
.text, #text, p{  
    color:rgb(158, 53, 73)  
}
```

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(158, 53, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 53, 73) }
```

Border

The CSS property to change the border of an element to XYZ 16.5763, 10.2963, 7.4171 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(158, 53, 73) }
```


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

```
.border{ border-color:rgb(158, 53, 73) }
```

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

Here you see how a box with a 4 pixel rgb(158, 53, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 53, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 53, 73);  
box-shadow:4px 4px 4px 4px rgb(158, 53,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5763, 10.2963, 7.4171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 53, 73) }
```

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

```
.background{ background-color: rgb(158, 53,  
73) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor