

Converting Colors

XYZ(10.2145, 10.0259, 8.1704)

Have a look what the booklet for
XYZ(10.2145, 10.0259, 8.1704)
contains.

XYZ(10.2258, 10.0609, 8.2405)	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(10.2258, 10.0609,
8.2405)**

Conversions

Conversions Part 1

Format	Color
Hex	67564C
RGB	103, 86, 76
RGB Percent	40%, 34%, 30%
CMY	0.5961, 0.6627, 0.7020
CMYK	0.00, 0.17, 0.26, 0.60
HSL	22°, 15%, 35%
HSV	22°, 26%, 40%
XYZ	10.2258, 10.0609, 8.2405
YIQ	89.9430, 13.3420, 0.4940

Conversions

Conversions Part 2

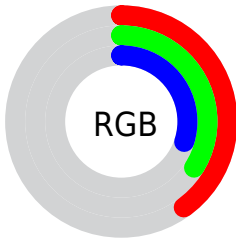
Format	Color
R_{YB}	103, 92, 76
Decimal	6772300
CIE Lab	37.95, 5.26, 8.42
CIE LCh	38, 9.927, 58.029
Yxy	10.0609, 0.3585, 0.3527
Android (android.graphics.Color)	4284962380 (0xFF67564C)
YUV	89.9430, -6.8739, 11.4510
Hunter-Lab	31.7189, 2.0381, 6.7998

Details

The XYZ color **10.2258, 10.0609, 8.2405** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **9.3430, 10.3443, 14.3362**, and the grayscale version is **9.7184, 10.2246, 11.1345**.

A 20% lighter version of the original color is **25.8323, 25.9590, 23.0511**, and **2.6292, 2.5024, 1.7109** is the 20% darker color. If you saturate the color by 10%, you get **9.4016, 8.9404, 6.3383**, and if you desaturate by 10%, it is **11.1549, 11.2993, 10.4609**.

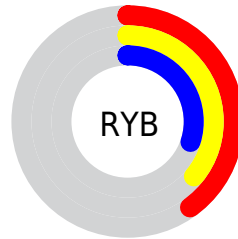
Distribution




 Red (40%)

 Green (34%)

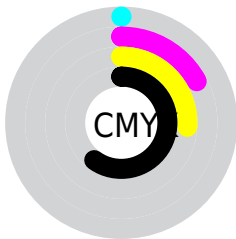
 Blue (30%)



 Red (40%)

 Yellow (36%)

 Blue (30%)

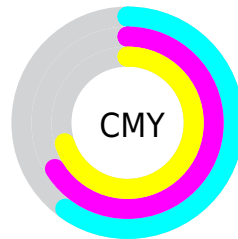


 Cyan (0%)

 Magenta (17%)

 Yellow (26%)

 Black (60%)



 Cyan (60%)

 Magenta (66%)

 Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2258, 10.0609, 8.2405 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 10.2258, 10.0609, 8.2405 by changing the saturation by 10% instead.

■ 10.2258, 10.0609,
8.2405

■ 10.2258, 10.0609,
8.2405

186.2963,
191.1062, 187.6109

■ 5.6123, 5.4394,
4.1592

■ 25.8652, 25.9100,
22.9825

■ 2.6492, 2.5073,
1.7131

■ 37.6218, 37.9063,
34.4803

■ 0.9711, 0.8803,
0.3697

■ 52.4902, 53.1297,
49.2874

■ 0.0000, 0.0000,
0.0000

■ 70.8358, 71.9645,
67.8223

■ 93.0238, 94.7952,
90.5036

119.4196,

122.0061, 117.7497

150.3887,
153.9816, 149.9793

■ 10.2258, 10.0609,
8.2405

■ 10.2258, 10.0609,
8.2405

■ 9.4016, 8.9404,
6.3383

■ 11.1549, 11.2993,
10.4609

■ 8.6775, 7.9327,
4.7388

■ 12.1918, 12.6575,
13.0125

■ 8.0496, 7.0347,
3.4264

■ 13.3403, 14.1393,
15.9087

■ 7.5132, 6.2422,
2.3835

■ 14.6039, 15.7479,
19.1616

■ 7.0634, 5.5510,
1.5909

■ 15.9857, 17.4862,
22.7829

■ 6.6945, 4.9565,
1.0265

■ 17.4888, 19.3571,
26.7839

■ 6.3945, 4.4512,
0.6342

■ 19.1162, 21.3636,
31.1750

■ 6.2916, 4.2797,
0.4945

■ 20.8708, 23.5082,
35.9666

■ 22.7553, 25.7936,
41.1685

Harmonies

Analogous

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



10.6849, 10.0609, 9.3877



10.2258, 10.0609, 8.2405



9.6048, 10.0609, 7.8099

Triad

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



10.2258, 10.0609, 8.2405



8.3901, 10.0609, 10.8344



10.1497, 10.0609, 14.3514

Complementary

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



10.2258, 10.0609, 8.2405



9.3430, 10.3443, 14.3362

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.



9.5205, 10.0609, 14.8471



10.2258, 10.0609, 8.2405



8.5218, 10.0609, 12.6868

Square

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



10.2258, 10.0609, 8.2405



8.5608, 10.0609, 9.2005



8.9287, 10.0609, 14.2075



10.6396, 10.0609, 12.9186

Rectangle

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



10.2258, 10.0609, 8.2405



9.1885, 10.0609, 7.9465



8.9287, 10.0609, 14.2075



9.9466, 10.0609, 14.6397

Sweetspot

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



10.2261, 10.0614, 8.2407



21.4393, 22.1552, 22.3274



10.1583, 8.8447, 11.5511



5.1748, 5.3323, 5.3089



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



10.2261, 10.0614, 8.2407



17.4474, 16.8472, 12.7471



11.3979, 12.4051, 8.6313



2.9048, 2.9970, 2.9998



7.8835, 5.3201, 0.6114



40.3379, 26.1897, 2.9291

Inverse Universe

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



9.3430, 10.3443, 14.3362



15.5957, 17.4380, 25.5210



8.2683, 8.1949, 13.9780



2.8227, 3.0234, 3.5668



5.4132, 5.8982, 16.9975



27.3761, 29.0489, 88.3655

Previews

White Background



This preview shows how the XYZ color 10.2258, 10.0609, 8.2405 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 10.2258, 10.0609, 8.2405 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 10.2258, 10.0609, 8.2405

Background



This preview shows how black text looks on a background with the XYZ color 10.2258, 10.0609, 8.2405.



This preview shows how white text looks on a background with the XYZ color 10.2258, 10.0609,

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

10.2258, 10.0609, 8.2405

Protanopia

9.5636, 10.0745, 8.6482

Deuteranopia

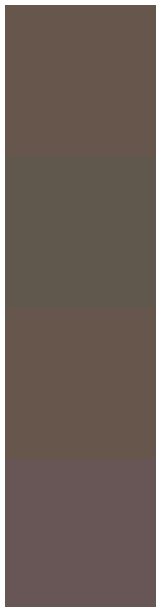
10.2258, 10.0609, 8.2405



Tritanopia

10.8415, 10.0821, 11.0475

Trichromacy



Original Color

10.2258, 10.0609, 8.2405

Protanomaly

9.7590, 10.0567, 8.4480

Deuteranomaly

10.2258, 10.0609, 8.2405

Tritanomaly

10.5971, 10.0959, 9.9845

Monochromacy



Original Color

10.2258, 10.0609, 8.2405

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.9314, 10.2335, 10.0462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2258, 10.0609, 8.2405 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(103, 86, 76)` looks like.

```
.text, #text, p{  
    color:rgb(103, 86, 76)  
}
```

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(103, 86, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 86, 76) }
```

Border

The CSS property to change the border of an element to XYZ 10.2258, 10.0609, 8.2405 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(103, 86, 76) }
```


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

```
.border{ border-color:rgb(103, 86, 76) }
```

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

Here you see how a box with a 4 pixel rgb(103, 86, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 86, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 86, 76);  
box-shadow:4px 4px 4px 4px rgb(103, 86,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2258, 10.0609, 8.2405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 86, 76) }
```

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

```
.background{ background-color: rgb(103, 86,  
76) }
```

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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