

Converting Colors

XYZ(9.9996, 9.9752, 7.9948)

Have a look what the booklet for
XYZ(9.9996, 9.9752, 7.9948)
contains.

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Color

XYZ(9.9646, 9.9303, 8.0482)

Conversions

Conversions Part 1

Format	Color
Hex	65564B
RGB	101, 86, 75
RGB Percent	40%, 34%, 29%
CMY	0.6039, 0.6627, 0.7059
CMYK	0.00, 0.15, 0.26, 0.60
HSL	25°, 15%, 35%
HSV	25°, 26%, 40%
XYZ	9.9646, 9.9303, 8.0482
YIQ	89.2310, 12.4710, -0.2410

Conversions

Conversions Part 2

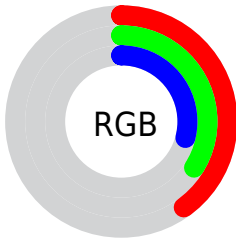
Format	Color
R_{YB}	101, 94, 75
Decimal	6641227
CIE Lab	37.72, 4.22, 8.68
CIE LCh	38, 9.654, 64.048
Yxy	9.9303, 0.3566, 0.3554
Android (android.graphics.Color)	4284831307 (0xFF65564B)
YUV	89.2310, -7.0159, 10.3214
Hunter-Lab	31.5124, 1.2972, 6.9161

Details

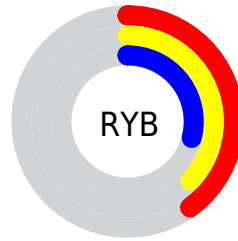
The XYZ color **9.9646, 9.9303, 8.0482** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **8.9067, 9.7474, 13.7239**, and the grayscale version is **9.5600, 10.0579, 10.9531**.

A 20% lighter version of the original color is **25.3911, 25.7390, 22.6986**, and **2.5616, 2.4691, 1.6379** is the 20% darker color. If you saturate the color by 10%, you get **9.1997, 8.9105, 6.2210**, and if you desaturate by 10%, it is **10.8229, 11.0489, 10.1776**.

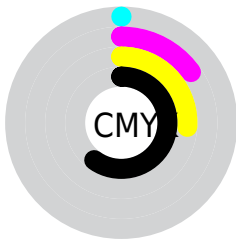
Distribution



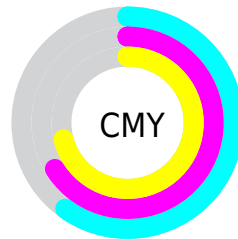
- Red (40%)
- Green (34%)
- Blue (29%)



- Red (40%)
- Yellow (37%)
- Blue (29%)



- Cyan (0%)
- Magenta (15%)
- Yellow (26%)
- Black (60%)



- Cyan (60%)
- Magenta (66%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9646, 9.9303, 8.0482 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 9.9646, 9.9303, 8.0482 by changing the saturation by 10% instead.

■ 9.9646, 9.9303,
8.0482

■ 9.9646, 9.9303,
8.0482

184.4781,
190.1739, 186.0583

■ 5.4376, 5.3528,
4.0376

■ 25.3792, 25.6643,
22.6006

■ 2.5436, 2.4557,
1.6460

■ 36.9974, 37.5896,
33.9795

■ 0.9173, 0.8543,
0.3233

■ 51.7102, 52.7329,
48.6515

■ 0.0000, 0.0000,
0.0000

■ 69.8827, 71.4787,
67.0353

■ 91.8804, 94.2112,
89.5493

118.0687,

121.3150, 116.6121

148.8128,
153.1745, 148.6423

■ 9.9646, 9.9303,
8.0482

■ 9.9646, 9.9303,
8.0482

■ 9.1997, 8.9105,
6.2210

■ 10.8229, 11.0489,
10.1776

■ 8.5239, 7.9852,
4.6815

■ 11.7770, 12.2675,
12.6216

■ 7.9337, 7.1519,
3.4149

■ 12.8303, 13.5892,
15.3926

■ 7.4252, 6.4075,
2.4046

■ 13.9859, 15.0166,
18.5022

■ 6.9938, 5.7485,
1.6327

■ 15.2464, 16.5519,
21.9615

■ 6.6347, 5.1713,
1.0783

■ 16.6148, 18.1976,
25.7809

■ 6.3372, 4.6698,
0.6909

■ 18.0934, 19.9559,
29.9705

■ 6.2213, 4.4756,
0.5360

■ 19.6850, 21.8289,
34.5400

■ 21.3919, 23.8187,
39.4987

Harmonies

Analogous

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



10.4509, 9.9303, 9.0276



9.9646, 9.9303, 8.0482



9.3554, 9.9303, 7.7782

Triad

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



9.9646, 9.9303, 8.0482



8.3091, 9.9303, 11.0529



10.1150, 9.9303, 13.8629

Complementary

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



9.9646, 9.9303, 8.0482



8.9067, 9.7474, 13.7239

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.



9.5220, 9.9303, 14.5480



9.9646, 9.9303, 8.0482



8.4936, 9.9303, 12.8181

Square

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



9.9646, 9.9303, 8.0482



8.4162, 9.9303, 9.3992



8.9312, 9.9303, 14.1465



10.5403, 9.9303, 12.3606

Rectangle

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



9.9646, 9.9303, 8.0482



8.9655, 9.9303, 8.0093



8.9312, 9.9303, 14.1465



9.9278, 9.9303, 14.2034

Sweetspot

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



9.9649, 9.9308, 8.0484



19.7961, 20.5248, 20.5752



9.7355, 8.5400, 10.8454



4.8225, 4.9887, 4.9381



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



9.9649, 9.9308, 8.0484



16.2841, 15.9561, 11.8353



11.0829, 12.1668, 8.4211



2.9157, 3.0189, 3.0035



8.1174, 5.7878, 0.6893



41.5058, 28.5255, 3.3184

Inverse Universe

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



8.9067, 9.7474, 13.7239



14.1273, 15.5814, 23.3996



7.9163, 7.7667, 13.3938



2.8115, 3.0010, 3.5630



5.0395, 5.1508, 16.8729



25.4042, 25.1051, 87.7082

Previews

White Background



This preview shows how the XYZ color 9.9646, 9.9303, 8.0482 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 ✓ Pass

Black Background



This preview shows how the XYZ color 9.9646, 9.9303, 8.0482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

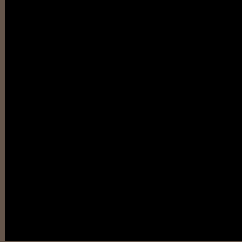
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.9646, 9.9303, 8.0482

Background



This preview shows how black text looks on a background with the XYZ color 9.9646, 9.9303, 8.0482.



This preview shows how white text looks on a background with the XYZ color 9.9646, 9.9303, 8.0482.

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

9.9646, 9.9303, 8.0482

Protanopia

9.3911, 9.9937, 8.2715

Deuteranopia

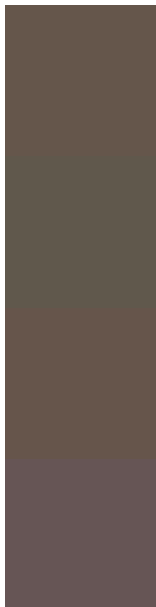
9.9980, 9.8298, 8.0270



Tritanopia

10.6093, 9.9624, 11.0366

Trichromacy



Original Color

9.9646, 9.9303, 8.0482

Protanomaly

9.6181, 9.9880, 8.2584

Deuteranomaly

9.9980, 9.8298, 8.0270

Tritanomaly

10.3677, 9.9777, 9.9738

Monochromacy



Original Color

9.9646, 9.9303, 8.0482

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.6042, 9.9467, 9.8012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9646, 9.9303, 8.0482 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(101, 86, 75)` looks like.

```
.text, #text, p{  
    color:rgb(101, 86, 75)  
}
```

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(101, 86, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 86, 75) }
```

Border

The CSS property to change the border of an element to XYZ 9.9646, 9.9303, 8.0482 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(101, 86, 75) }
```

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

```
.border{ border-color:rgb(101, 86, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 86, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 86, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 86, 75);  
box-shadow:4px 4px 4px 4px rgb(101, 86,  
75) }
```


Background

The CSS property to change the background color of an element to XYZ 9.9646, 9.9303, 8.0482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 86, 75) }
```

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

```
.background{ background-color: rgb(101, 86,  
75) }
```

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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