

Converting Colors

XYZ(9.7643, 8.2275, 4.8100)

Have a look what the booklet for
XYZ(9.7643, 8.2275, 4.8100)
contains.

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Color

XYZ(9.7140, 8.1766, 4.8076)

Conversions

Conversions Part 1

Format	Color
Hex	714638
RGB	113, 70, 56
RGB Percent	44%, 27%, 22%
CMY	0.5569, 0.7255, 0.7804
CMYK	0.00, 0.38, 0.50, 0.56
HSL	15°, 34%, 33%
HSV	15°, 50%, 44%
XYZ	9.7140, 8.1766, 4.8076
YIQ	81.2610, 30.1220, 4.7620

Conversions

Conversions Part 2

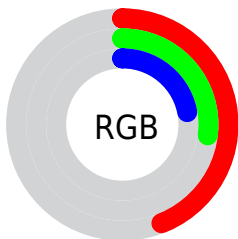
Format	Color
R_{YB}	113, 75, 56
Decimal	7423544
CIE _{Lab}	34.35, 16.75, 16.12
CIE _{LCh}	34, 23.248, 43.892
Yxy	8.1766, 0.4280, 0.3602
Android (android.graphics.Color)	4285613624 (0xFF714638)
YUV	81.2610, -12.4537, 27.8351
Hunter-Lab	28.5948, 10.5979, 10.0480

Details

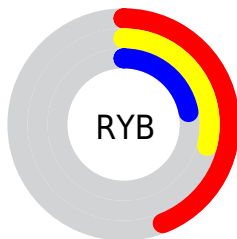
The XYZ color **9.7140, 8.1766, 4.8076** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **9.0730, 10.9559, 17.2591**, and the grayscale version is **7.8927, 8.3037, 9.0428**.

A 20% lighter version of the original color is **24.9814, 22.3884, 15.8367**, and **2.4286, 1.7920, 0.5987** is the 20% darker color. If you saturate the color by 10%, you get **8.9724, 7.0868, 3.3475**, and if you desaturate by 10%, it is **10.5942, 9.4436, 6.6220**.

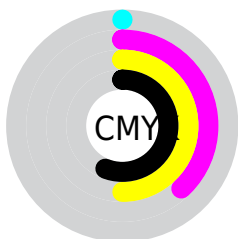
Distribution



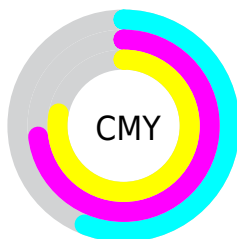
- Red (44%)
- Green (27%)
- Blue (22%)



- Red (44%)
- Yellow (29%)
- Blue (22%)



- Cyan (0%)
- Magenta (38%)
- Yellow (50%)
- Black (56%)



- Cyan (56%)
- Magenta (73%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.7140, 8.1766, 4.8076 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 9.7140, 8.1766, 4.8076 by changing the saturation by 10% instead.

■ 9.7140, 8.1766,
4.8076

■ 9.7140, 8.1766,
4.8076

182.7151,
177.1107, 156.8184

■ 5.2706, 4.2082,
2.0781

■ 24.9107, 22.3039,
15.8332

■ 2.4432, 1.7907,
0.6027

■ 36.3948, 33.2316,
24.9664

■ 0.8667, 0.4814,
0.0000

■ 50.9563, 47.2478,
37.0712

■ 0.0000, 0.0000,
0.0000

■ 68.9608, 64.7369,
52.5661

■ 90.7736, 86.0834,
71.8698

■ 116.7600,

111.6716, 95.4007

147.2854,
141.8859, 123.5774

■ 9.7140, 8.1766,
4.8076

■ 9.7140, 8.1766,
4.8076

■ 8.9724, 7.0868,
3.3475

■ 10.5942, 9.4436,
6.6220

■ 8.3613, 6.1650,
2.2177

■ 11.6191, 10.8941,
8.8115

■ 7.8727, 5.4028,
1.3921

■ 12.7954, 12.5356,
11.3958

■ 7.4974, 4.7906,
0.8401

■ 14.1291, 14.3748,
14.3933

■ 7.2196, 4.3299,
0.4552

■ 15.6257, 16.4180,
17.8211

■ 17.2906, 18.6713,
21.6952

■ 19.1291, 21.1405,
26.0309

■ 21.1458, 23.8312,
30.8429

■ 23.3456, 26.7488,
36.1451

Harmonies

Analogous

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



10.4570, 8.1766, 7.2936



9.7140, 8.1766, 4.8076



8.4854, 8.1766, 3.6474

Triad

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



9.7140, 8.1766, 4.8076



5.6106, 8.1766, 7.0622



8.3868, 8.1766, 17.8082

Complementary

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



9.7140, 8.1766, 4.8076



9.0730, 10.9559, 17.2591

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.



7.0991, 8.1766, 17.6948



9.7140, 8.1766, 4.8076



5.5905, 8.1766, 10.7331

Square

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



9.7140, 8.1766, 4.8076



6.1655, 8.1766, 4.6791



6.1071, 8.1766, 14.8398



9.6350, 8.1766, 15.1164

Rectangle

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



9.7140, 8.1766, 4.8076



7.6033, 8.1766, 3.5035



6.1071, 8.1766, 14.8398



7.9424, 8.1766, 18.1159

Sweetspot

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



9.7142, 8.1770, 4.8078



24.0807, 24.0627, 23.0177



10.5099, 7.2534, 12.8266



5.4811, 5.4435, 5.1259



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



9.7142, 8.1770, 4.8078



15.8077, 12.3036, 5.5022



11.8728, 12.4941, 5.5273



3.4450, 3.5224, 3.5717



8.1753, 4.8830, 0.5116



40.1378, 23.1507, 2.3530

Inverse Universe

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



9.0730, 10.9559, 17.2591



14.4908, 17.8790, 30.6627



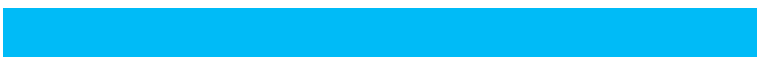
6.8775, 6.5650, 16.5273



3.4089, 3.6832, 4.2855



7.0715, 8.7333, 19.0346



34.5242, 42.1002, 94.5857

Previews

White Background



This preview shows how the XYZ color 9.7140, 8.1766, 4.8076 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 9.7140, 8.1766, 4.8076 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 9.7140, 8.1766, 4.8076

Background



This preview shows how black text looks on a background with the XYZ color 9.7140, 8.1766, 4.8076.

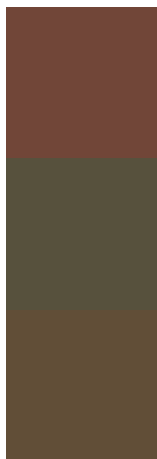


This preview shows how white text looks on a background with the XYZ color 9.7140, 8.1766, 4.8076.

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

9.7140, 8.1766, 4.8076

Protanopia

7.7152, 8.2480, 5.6003

Deuteranopia

8.3437, 8.2660, 4.7702



Tritanopia

10.2092, 8.1927, 7.3466

Trichromacy



Original Color

9.7140, 8.1766, 4.8076

Protanomaly

8.2672, 8.1103, 5.2674

Deuteranomaly

8.7992, 8.1916, 4.7318

Tritanomaly

10.0807, 8.2389, 6.3691

Monochromacy



Original Color

9.7140, 8.1766, 4.8076

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

8.3378, 8.1028, 7.2554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7140, 8.1766, 4.8076 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(113, 70, 56)` looks like.

```
.text, #text, p{  
    color:rgb(113, 70, 56)  
}
```

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(113, 70, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 70, 56) }
```

Border

The CSS property to change the border of an element to XYZ 9.7140, 8.1766, 4.8076 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(113, 70, 56) }
```

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

```
.border{ border-color:rgb(113, 70, 56) }
```

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

Here you see how a box with a 4 pixel rgb(113, 70, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 70, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 70, 56);  
box-shadow:4px 4px 4px 4px rgb(113, 70,  
56) }
```


Background

The CSS property to change the background color of an element to XYZ 9.7140, 8.1766, 4.8076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 70, 56) }
```

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

```
.background{ background-color: rgb(113, 70,  
56) }
```

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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