

Converting Colors

XYZ(20.2963, 17.5941, 10.2452)

Have a look what the booklet for
XYZ(20.2963, 17.5941, 10.2452)
contains.

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Color

**XYZ(20.3779, 17.6779,
10.3208)**

Conversions

Conversions Part 1

Format	Color
Hex	9D6852
RGB	157, 104, 82
RGB Percent	62%, 41%, 32%
CMY	0.3843, 0.5921, 0.6784
CMYK	0.00, 0.34, 0.48, 0.38
HSL	18°, 31%, 47%
HSV	18°, 48%, 62%
XYZ	20.3779, 17.6779, 10.3208
YIQ	117.3390, 38.6500, 4.3940

Conversions

Conversions Part 2

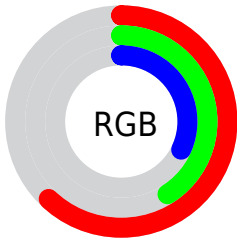
Format	Color
R_{YB}	157, 113, 82
Decimal	10315858
CIE _{Lab}	49.10, 18.64, 21.06
CIE _{LCh}	49, 28.122, 48.484
Yxy	17.6779, 0.4212, 0.3654
Android (android.graphics.Color)	4288505938 (0xFF9D6852)
YUV	117.3390, -17.4221, 34.7827
Hunter-Lab	42.0451, 12.9343, 14.8777

Details

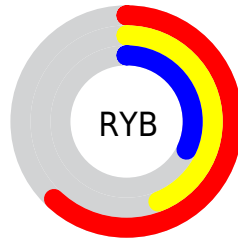
The XYZ color **20.3779, 17.6779, 10.3208** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.2290, 21.5551, 35.0979**, and the grayscale version is **17.0581, 17.9465, 19.5437**.

A 20% lighter version of the original color is **43.6178, 39.4048, 27.1368**, and **7.3416, 5.8455, 2.4916** is the 20% darker color. If you saturate the color by 10%, you get **18.8033, 15.3780, 7.1781**, and if you desaturate by 10%, it is **22.2370, 20.3281, 14.2331**.

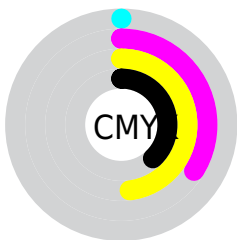
Distribution



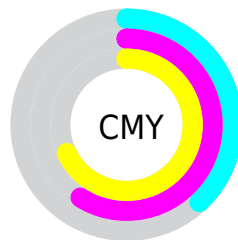
- Red (62%)
- Green (41%)
- Blue (32%)



- Red (62%)
- Yellow (44%)
- Blue (32%)



- Cyan (0%)
- Magenta (34%)
- Yellow (48%)
- Black (38%)



- Cyan (38%)
- Magenta (59%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3779, 17.6779, 10.3208 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 20.3779, 17.6779, 10.3208 by changing the saturation by 10% instead.

■ 20.3779, 17.6779,
10.3208

■ 20.3779, 17.6779,
10.3208

246.7484,
239.0492, 203.5139

■ 12.7799, 10.7190,
5.5038

■ 43.5490, 39.4877,
27.0144

■ 7.3531, 5.8782,
2.4819

■ 59.8528, 55.1074,
39.7280

■ 3.7322, 2.7712,
0.8306

■ 79.7892, 74.3828,
55.9109

■ 1.5518, 1.0135,
0.0000

■ 103.7236, 97.6983,
75.9817

■ 0.3607, 0.0000,
0.0000

■ 132.0214,
125.4383, 100.3588

■ 0.0000, 0.0000,
0.0000

165.0479,

157.9872, 129.4609

203.1684,
195.7293, 163.7064

■ 20.3779, 17.6779,
10.3208

■ 20.3779, 17.6779,
10.3208

■ 18.8033, 15.3780,
7.1781

■ 22.2370, 20.3281,
14.2331

■ 17.4968, 13.4105,
4.7524

■ 24.3933, 23.3402,
18.9609

■ 16.4421, 11.7601,
2.9858

■ 26.8601, 26.7285,
24.5475

■ 15.6203, 10.4087,
1.8109

■ 29.6496, 30.5054,
31.0331

■ 15.0027, 9.3337,
1.1114

■ 32.7734, 34.6832,
38.4551

■ 14.8839, 9.1268,
0.9772

■ 36.2423, 39.2733,
46.8489

■ 40.0667, 44.2868,
56.2480

■ 44.2566, 49.7343,
66.6844

■ 48.8215, 55.6261,
78.1886

Harmonies

Analogous

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



22.0629, 17.6779, 15.0163



20.3779, 17.6779, 10.3208



17.8311, 17.6779, 8.2677

Triad

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



20.3779, 17.6779, 10.3208



12.3227, 17.6779, 16.5020



18.4552, 17.6779, 36.4873

Complementary

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



20.3779, 17.6779, 10.3208



18.2290, 21.5551, 35.0979

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.



15.8139, 17.6779, 37.1887



20.3779, 17.6779, 10.3208



12.4524, 17.6779, 24.2088

Square

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



20.3779, 17.6779, 10.3208



13.2967, 17.6779, 11.1633



13.6715, 17.6779, 32.2398



20.8756, 17.6779, 30.5179

Rectangle

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



20.3779, 17.6779, 10.3208



16.0680, 17.6779, 8.1923



13.6715, 17.6779, 32.2398



17.5586, 17.6779, 37.3953

Sweetspot

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



20.3783, 17.6788, 10.3211



49.7859, 50.1557, 47.8414



21.3481, 14.9733, 24.9645



10.7406, 10.7450, 10.0316



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.3783, 17.6788, 10.3211



33.5909, 27.4158, 12.6932



24.9156, 26.7534, 11.8336



6.7838, 6.9475, 6.9691



12.1173, 7.4703, 0.8033



0.2506, 0.2015, 0.0257

Inverse Universe

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



18.2290, 21.5551, 35.0979



29.2504, 35.1273, 62.3653



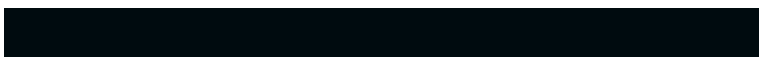
13.9567, 13.0106, 33.6738



6.6574, 7.1805, 8.4418



9.5872, 11.2660, 27.5765



0.2059, 0.2704, 0.5046

Previews

White Background



This preview shows how the XYZ color 20.3779, 17.6779, 10.3208 looks on a white background.

Color Contrast Check

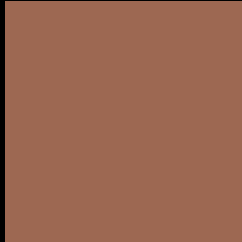
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3779, 17.6779, 10.3208 looks on a black 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

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

XYZ 20.3779, 17.6779, 10.3208

Background



This preview shows how black text looks on a background with the XYZ color 20.3779, 17.6779, 10.3208.



This preview shows how white text looks on a background with the XYZ color 20.3779, 17.6779,

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

20.3779, 17.6779, 10.3208

Protanopia

16.5802, 17.7871, 11.7919

Deuteranopia

18.0574, 17.7430, 10.0624



Tritanopia

21.5620, 17.5680, 16.4419

Trichromacy



Original Color

20.3779, 17.6779, 10.3208

Protanomaly

17.7904, 17.5786, 11.2595

Deuteranomaly

18.8079, 17.6424, 10.1986

Tritanomaly

21.0064, 17.4773, 14.0707

Monochromacy



Original Color

20.3779, 17.6779, 10.3208

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.8086, 17.4934, 15.5346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3779, 17.6779, 10.3208 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(157, 104, 82)` looks like.

```
.text, #text, p{  
    color:rgb(157, 104, 82)  
}
```

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(157, 104, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 104, 82) }
```

Border

The CSS property to change the border of an element to XYZ 20.3779, 17.6779, 10.3208 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(157, 104, 82) }
```


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

```
.border{ border-color:rgb(157, 104, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 104, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 104, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 104, 82);  
box-shadow:4px 4px 4px 4px rgb(157, 104,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3779, 17.6779, 10.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 104, 82) }
```

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

```
.background{ background-color: rgb(157,  
104, 82) }
```

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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