

Converting Colors

XYZ(22.9772, 20.7762, 20.7235)

Have a look what the booklet for
XYZ(22.9772, 20.7762, 20.7235)
contains.

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Color

**XYZ(22.9620, 20.7169,
20.5578)**

Conversions

Conversions Part 1

Format	Color
Hex	9A7478
RGB	154, 116, 120
RGB Percent	60%, 45%, 47%
CMY	0.3961, 0.5451, 0.5294
CMYK	0.00, 0.25, 0.22, 0.40
HSL	354°, 16%, 53%
HSV	354°, 25%, 60%
XYZ	22.9620, 20.7169, 20.5578
YIQ	127.8180, 21.3640, 9.3000

Conversions

Conversions Part 2

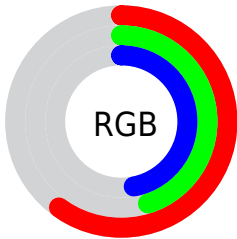
Format	Color
R_{YB}	154, 116, 120
Decimal	10122360
CIE _{Lab}	52.64, 15.55, 3.61
CIE _{LCh}	53, 15.964, 13.052
Yxy	20.7169, 0.3575, 0.3225
Android (android.graphics.Color)	4288312440 (0xFF9A7478)
YUV	127.8180, -3.8543, 22.9616
Hunter-Lab	45.5158, 10.3977, 5.0820

Details

The XYZ color **22.9620, 20.7169, 20.5578** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.2640, 29.0267, 33.1796**, and the grayscale version is **20.4630, 21.5287, 23.4447**.

A 20% lighter version of the original color is **47.7435, 44.5391, 45.1103**, and **8.7163, 7.4269, 7.1050** is the 20% darker color. If you saturate the color by 10%, you get **20.5548, 17.1459, 15.9220**, and if you desaturate by 10%, it is **25.7850, 24.9265, 25.9265**.

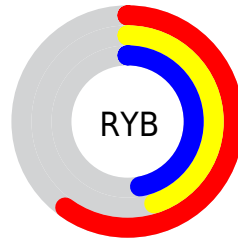
Distribution



Red (60%)

Green (45%)

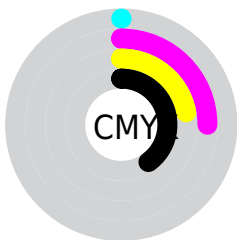
Blue (47%)



Red (60%)

Yellow (45%)

Blue (47%)

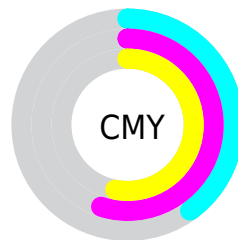


Cyan (0%)

Magenta (25%)

Yellow (22%)

Black (40%)



Cyan (40%)

Magenta (55%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9620, 20.7169, 20.5578 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 22.9620, 20.7169, 20.5578 by changing the saturation by 10% instead.

■ 22.9620, 20.7169,
20.5578

■ 22.9620, 20.7169,
20.5578

260.0687,
255.7701, 267.6224

■ 14.6860, 12.9172,
12.6131

■ 47.7980, 44.6159,
45.2216

■ 8.6842, 7.3716,
7.0351

■ 65.0888, 61.4840,
62.7778

■ 4.5912, 3.6955,
3.4053

■ 86.1151, 82.1437,
84.3748

■ 2.0417, 1.5048,
1.3051

■ 111.2425,
106.9794, 110.4313

■ 0.6572, 0.2921,
0.0660

140.8362,
136.3755, 141.3658

■ 0.0000, 0.0000,
0.0000

175.2615,

170.7164, 177.5968

214.8839,
210.3865, 219.5428

■ 22.9620, 20.7169,
20.5578

■ 22.9620, 20.7169,
20.5578

■ 20.5548, 17.1459,
15.9220

■ 25.7850, 24.9265,
25.9265

■ 18.5422, 14.1797,
11.9861

■ 29.0404, 29.8009,
32.0567

■ 16.9034, 11.7855,
8.7164

■ 32.7460, 35.3680,
38.9770

■ 15.6152, 9.9264,
6.0758

■ 36.9180, 41.6535,
46.7141

■ 14.6519, 8.5613,
4.0238

■ 41.5720, 48.6817,
55.2935

■ 13.9840, 7.6427,
2.5149

■ 46.7227, 56.4758,
64.7396

■ 13.5757, 7.1122,
1.4965

■ 52.3841, 65.0580,
75.0757

■ 13.4215, 6.9081,
1.1240

■ 58.5698, 74.4496,
86.3244

■ 65.2929, 84.6709,
98.5073

Harmonies

Analogous

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



22.8999, 20.7169, 25.3243



22.9620, 20.7169, 20.5578



22.1130, 20.7169, 16.8817

Triad

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



22.9620, 20.7169, 20.5578



17.5940, 20.7169, 16.5225



18.7762, 20.7169, 32.4646

Complementary

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



22.9620, 20.7169, 20.5578



24.2640, 29.0267, 33.1796

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.



17.4522, 20.7169, 29.3805



22.9620, 20.7169, 20.5578



16.7964, 20.7169, 19.9994

Square

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



22.9620, 20.7169, 20.5578



18.9797, 20.7169, 14.7818



16.7460, 20.7169, 24.6822



20.4194, 20.7169, 32.6699

Rectangle

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



22.9620, 20.7169, 20.5578



21.1709, 20.7169, 15.3590



16.7460, 20.7169, 24.6822



18.2813, 20.7169, 31.7124

Sweetspot

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



22.9626, 20.7179, 20.5582



51.2200, 51.8355, 55.3541



24.5769, 21.2679, 33.3818



11.5198, 11.6225, 12.3909



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.



22.9626, 20.7179, 20.5582



39.0314, 33.6524, 32.1955



24.5377, 24.2483, 19.9113



6.2339, 6.2327, 6.6118



10.9419, 5.6310, 0.9529



0.1697, 0.0866, 0.0463

Inverse Universe

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



22.9626, 20.7179, 20.5582



39.0314, 33.6524, 32.1955



22.3315, 24.6379, 34.1506



6.2339, 6.2327, 6.6118



10.9419, 5.6310, 0.9529



0.1697, 0.0866, 0.0463

Previews

White Background



This preview shows how the XYZ color 22.9620, 20.7169, 20.5578 looks on a white 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

Black Background



This preview shows how the XYZ color 22.9620, 20.7169, 20.5578 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 22.9620, 20.7169, 20.5578

Background



This preview shows how black text looks on a background with the XYZ color 22.9620, 20.7169, 20.5578.



This preview shows how white text looks on a background with the XYZ color 22.9620, 20.7169,

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

22.9620, 20.7169, 20.5578

Protanopia

19.9374, 20.7371, 22.3539

Deuteranopia

21.2738, 20.9137, 20.3683



Tritanopia

23.0953, 20.5867, 21.8252

Trichromacy



Original Color

22.9620, 20.7169, 20.5578

Protanomaly

20.8512, 20.6675, 21.6291

Deuteranomaly

21.9003, 20.8758, 20.3279

Tritanomaly

23.0323, 20.5616, 21.4937

Monochromacy



Original Color

22.9620, 20.7169, 20.5578

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.2259, 21.2143, 22.3781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9620, 20.7169, 20.5578 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(154, 116, 120)` looks like.

```
.text, #text, p{  
    color:rgb(154, 116, 120)  
}
```

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(154, 116, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 116, 120) }
```

Border

The CSS property to change the border of an element to XYZ 22.9620, 20.7169, 20.5578 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(154, 116, 120) }
```


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

```
.border{ border-color:rgb(154, 116, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 116, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 116, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 116, 120);  
box-shadow:4px 4px 4px 4px rgb(154, 116,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9620, 20.7169, 20.5578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 116, 120) }
```

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

```
.background{ background-color: rgb(154,  
116, 120) }
```

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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