

Converting Colors

XYZ(20.2004, 19.0196, 15.1901)

Have a look what the booklet for
XYZ(20.2004, 19.0196, 15.1901)
contains.

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Color

**XYZ(20.2696, 19.1049,
15.1897)**

Conversions

Conversions Part 1

Format	Color
Hex	927266
RGB	146, 114, 102
RGB Percent	57%, 45%, 40%
CMY	0.4275, 0.5529, 0.6000
CMYK	0.00, 0.22, 0.30, 0.43
HSL	16°, 18%, 49%
HSV	16°, 30%, 57%
XYZ	20.2696, 19.1049, 15.1897
YIQ	122.2000, 22.9240, 3.0520

Conversions

Conversions Part 2

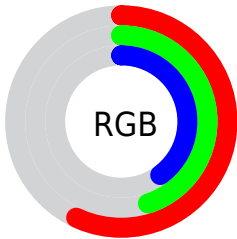
Format	Color
R_YB	146, 119, 102
Decimal	9597542
CIE Lab	50.81, 10.75, 11.46
CIE LCh	51, 15.716, 46.829
Yxy	19.1049, 0.3715, 0.3501
Android (android.graphics.Color)	4287787622 (0xFF927266)
YUV	122.2000, -9.9586, 20.8726
Hunter-Lab	43.7092, 6.2862, 9.9921

Details

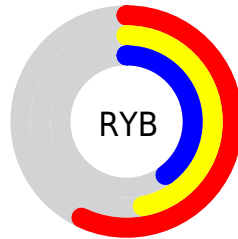
The XYZ color **20.2696, 19.1049, 15.1897** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.1926, 21.9496, 30.4192**, and the grayscale version is **18.5907, 19.5589, 21.2996**.

A 20% lighter version of the original color is **43.4734, 41.9899, 35.9505**, and **7.2539, 6.5519, 4.4968** is the 20% darker color. If you saturate the color by 10%, you get **18.4796, 16.5833, 11.3299**, and if you desaturate by 10%, it is **22.3272, 21.9574, 19.7683**.

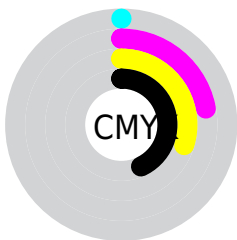
Distribution



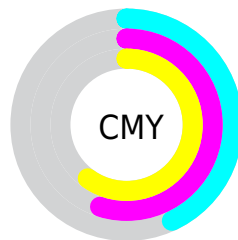
- Red (57%)
- Green (45%)
- Blue (40%)



- Red (57%)
- Yellow (47%)
- Blue (40%)



- Cyan (0%)
- Magenta (22%)
- Yellow (30%)
- Black (43%)



- Cyan (43%)
- Magenta (55%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2696, 19.1049, 15.1897 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 20.2696, 19.1049, 15.1897 by changing the saturation by 10% instead.

■ 20.2696, 19.1049,
15.1897

■ 20.2696, 19.1049,
15.1897

246.1767,
247.0273, 236.1918

■ 12.7006, 11.7461,
8.8045

■ 43.3692, 41.9113,
35.9326

■ 7.2983, 6.5710,
4.5188

■ 59.6305, 58.1277,
51.1275

■ 3.6973, 3.1953,
1.9141

■ 79.5200, 78.0653,
70.0959

■ 1.5324, 1.2345,
0.5017

■ 103.4029,
102.1087, 93.2566

■ 0.3477, 0.0896,
0.0000

131.6447,
130.6422, 121.0280

■ 0.0000, 0.0000,
0.0000

164.6107,

164.0502, 153.8286

202.6663,
202.7171, 192.0770

■ 20.2696, 19.1049,
15.1897

■ 20.2696, 19.1049,
15.1897

■ 18.4796, 16.5833,
11.3299

■ 22.3272, 21.9574,
19.7683

■ 16.9442, 14.3777,
8.1509

■ 24.6616, 25.1496,
25.0988

■ 15.6517, 12.4761,
5.6131

■ 27.2835, 28.6933,
31.2134

■ 14.5886, 10.8647,
3.6719

■ 30.2023, 32.5989,
38.1423

■ 13.7402, 9.5284,
2.2775

■ 33.4271, 36.8765,
45.9140

■ 13.0896, 8.4508,
1.3712

■ 36.9669, 41.5355,
54.5557

■ 12.6070, 7.6170,
0.8058

■ 40.8298, 46.5853,
64.0931

■ 45.0239, 52.0347,
74.5512

■ 49.5571, 57.8925,
85.9539

Harmonies

Analogous

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



21.1556, 19.1049, 18.4330



20.2696, 19.1049, 15.1897



18.8445, 19.1049, 13.5641

Triad

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



20.2696, 19.1049, 15.1897



15.4149, 19.1049, 18.9216



19.0330, 19.1049, 30.0624

Complementary

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



20.2696, 19.1049, 15.1897



19.1926, 21.9496, 30.4192

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.



17.4896, 19.1049, 30.2426



20.2696, 19.1049, 15.1897



15.4590, 19.1049, 23.3657

Square

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



20.2696, 19.1049, 15.1897



16.0755, 19.1049, 15.5034



16.1996, 19.1049, 27.6501



20.4143, 19.1049, 27.1881

Rectangle

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



20.2696, 19.1049, 15.1897



17.8074, 19.1049, 13.4415



16.1996, 19.1049, 27.6501



18.5144, 19.1049, 30.4530

Sweetspot

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



20.2701, 19.1058, 15.1901



43.9252, 44.9362, 45.2458



20.9272, 17.3426, 24.8964



9.6434, 9.8224, 9.7693



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.2701, 19.1058, 15.1901



33.6249, 30.7074, 22.1695



23.0190, 24.6037, 16.1064



5.9219, 6.0576, 6.0976



11.1109, 6.7362, 0.7146



0.1579, 0.1262, 0.0160

Inverse Universe

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



19.1926, 21.9496, 30.4192



31.4118, 36.5220, 53.3674



16.4916, 16.5476, 29.5189



5.8317, 6.2974, 7.3779



9.1360, 10.9668, 25.5663



0.1364, 0.1834, 0.3211

Previews

White Background



This preview shows how the XYZ color 20.2696, 19.1049, 15.1897 looks on a white background.

Color Contrast Check

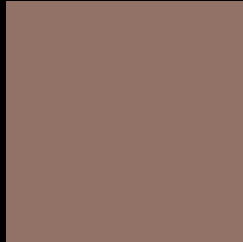
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2696, 19.1049, 15.1897 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 20.2696, 19.1049, 15.1897

Background



This preview shows how black text looks on a background with the XYZ color 20.2696, 19.1049, 15.1897.

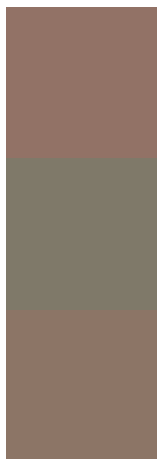


This preview shows how white text looks on a background with the XYZ color 20.2696, 19.1049,

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

20.2696, 19.1049, 15.1897

Protanopia

18.1396, 19.2067, 16.1158

Deuteranopia

19.5748, 19.2573, 15.2557



Tritanopia

21.2873, 19.0208, 20.3187

Trichromacy



Original Color

20.2696, 19.1049, 15.1897

Protanomaly

18.8086, 19.0247, 15.7775

Deuteranomaly

19.7990, 19.2009, 15.2330

Tritanomaly

20.8074, 18.9836, 18.1903

Monochromacy



Original Color

20.2696, 19.1049, 15.1897

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.0514, 19.2568, 18.9325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2696, 19.1049, 15.1897 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(146, 114, 102)` looks like.

```
.text, #text, p{  
    color:rgb(146, 114, 102)  
}
```

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(146, 114, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 114, 102) }
```

Border

The CSS property to change the border of an element to XYZ 20.2696, 19.1049, 15.1897 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(146, 114, 102) }
```


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

```
.border{ border-color:rgb(146, 114, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 114, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 114, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 114, 102);  
box-shadow:4px 4px 4px 4px rgb(146, 114,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2696, 19.1049, 15.1897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 114, 102) }
```

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

```
.background{ background-color: rgb(146,  
114, 102) }
```

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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