

Converting Colors

XYZ(20.2469, 19.9848, 12.2416)

Have a look what the booklet for
XYZ(20.2469, 19.9848, 12.2416)
contains.

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Color

**XYZ(20.2541, 20.0259,
12.2491)**

Conversions

Conversions Part 1

Format	Color
Hex	927759
RGB	146, 119, 89
RGB Percent	57%, 47%, 35%
CMY	0.4274, 0.5333, 0.6510
CMYK	0.00, 0.18, 0.39, 0.43
HSL	32°, 24%, 46%
HSV	32°, 39%, 57%
XYZ	20.2541, 20.0259, 12.2491
YIQ	123.6530, 25.7220, -3.6060

Conversions

Conversions Part 2

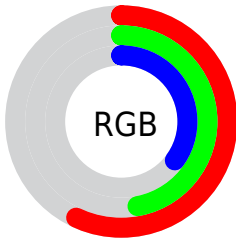
Format	Color
R_{YB}	140, 146, 89
Decimal	9598809
CIE Lab	51.87, 6.12, 20.46
CIE LCh	52, 21.359, 73.346
Yxy	20.0259, 0.3856, 0.3812
Android (android.graphics.Color)	4287788889 (0xFF927759)
YUV	123.6530, -17.0839, 19.5983
Hunter-Lab	44.7503, 2.4765, 15.0963

Details

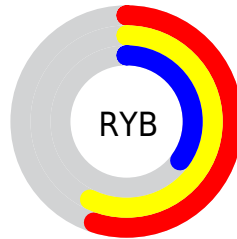
The XYZ color **20.2541, 20.0259, 12.2491** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.5534, 16.6895, 29.5959**, and the grayscale version is **19.0922, 20.0864, 21.8741**.

A 20% lighter version of the original color is **43.3105, 43.4074, 30.5219**, and **7.3054, 7.0606, 3.2633** is the 20% darker color. If you saturate the color by 10%, you get **18.9077, 18.2188, 9.0697**, and if you desaturate by 10%, it is **21.7831, 22.0033, 16.0898**.

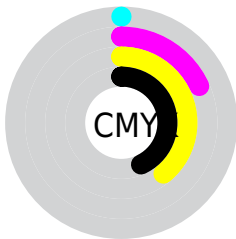
Distribution



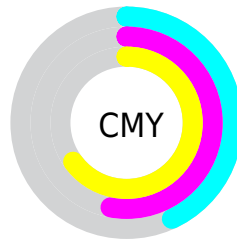
- Red (57%)
- Green (47%)
- Blue (35%)



- Red (55%)
- Yellow (57%)
- Blue (35%)



- Cyan (0%)
- Magenta (18%)
- Yellow (39%)
- Black (43%)



- Cyan (43%)
- Magenta (53%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2541, 20.0259, 12.2491 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 20.2541, 20.0259, 12.2491 by changing the saturation by 10% instead.

■ 20.2541, 20.0259,
12.2491

■ 20.2541, 20.0259,
12.2491

246.0948,
252.0553, 217.0836

■ 12.6892, 12.4139,
6.7890

■ 43.3435, 43.4606,
30.6191

■ 7.2904, 7.0262,
3.2540

■ 59.5987, 60.0521,
44.3661

■ 3.6923, 3.4785,
1.2258

■ 79.4814, 80.4055,
61.7125

■ 1.5296, 1.3863,
0.0000

■ 103.3570,
104.9052, 83.0767

■ 0.3458, 0.2066,
0.0000

■ 131.5908,
133.9356, 108.8774

■ 0.0000, 0.0000,
0.0000

164.5481,

167.8812, 139.5331

202.5943,
207.1263, 175.4623

■ 20.2541, 20.0259,
12.2491

■ 20.2541, 20.0259,
12.2491

■ 18.9077, 18.2188,
9.0697

■ 21.7831, 22.0033,
16.0898

■ 17.7338, 16.5737,
6.5118

■ 23.5009, 24.1534,
20.6258

■ 16.7236, 15.0859,
4.5334

■ 25.4155, 26.4818,
25.8904

■ 15.8667, 13.7489,
3.0865

■ 27.5337, 28.9933,
31.9143

■ 15.1513, 12.5558,
2.1152

■ 29.8621, 31.6922,
38.7264

■ 14.5517, 11.4940,
1.4918

■ 32.4069, 34.5827,
46.3541

■ 14.4975, 11.3978,
1.4359

■ 35.1741, 37.6691,
54.8235

■ 38.1693, 40.9551,
64.1596

■ 41.3982, 44.4448,
74.3861

Harmonies

Analogous

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



22.2299, 20.0259, 14.5928



20.2541, 20.0259, 12.2491



18.0878, 20.0259, 12.1280

Triad

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



20.2541, 20.0259, 12.2491



15.2587, 20.0259, 24.6787



22.0416, 20.0259, 31.6920

Complementary

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



20.2541, 20.0259, 12.2491



15.5534, 16.6895, 29.5959

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.



20.0127, 20.0259, 35.6085



20.2541, 20.0259, 12.2491



16.1601, 20.0259, 31.0705

Square

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



20.2541, 20.0259, 12.2491



15.3125, 20.0259, 18.5586



17.8639, 20.0259, 35.3616



23.3143, 20.0259, 25.4091

Rectangle

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



20.2541, 20.0259, 12.2491



16.8330, 20.0259, 13.2737



17.8639, 20.0259, 35.3616



21.4190, 20.0259, 33.3779

Sweetspot

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



20.2546, 20.0268, 12.2495



43.7154, 45.3666, 42.5559



18.6111, 14.5298, 18.5151



9.6400, 9.9893, 9.2324



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.



20.2546, 20.0268, 12.2495



33.5989, 32.4732, 16.5565



23.7681, 27.3035, 13.4689



6.0383, 6.2903, 6.1364



12.7802, 10.0748, 1.2710



0.1860, 0.1824, 0.0254

Inverse Universe

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



15.5534, 16.6895, 29.5959



24.0851, 25.7221, 51.6690



12.9725, 11.3915, 28.7093



5.7125, 6.0589, 7.3381



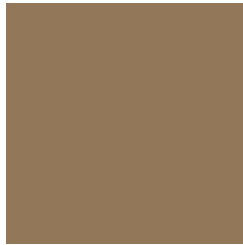
6.4687, 5.6321, 24.6772



0.1083, 0.1272, 0.3118

Previews

White Background



This preview shows how the XYZ color 20.2541, 20.0259, 12.2491 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 20.2541, 20.0259, 12.2491 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 20.2541, 20.0259, 12.2491

Background



This preview shows how black text looks on a background with the XYZ color 20.2541, 20.0259, 12.2491.



This preview shows how white text looks on a background with the XYZ color 20.2541, 20.0259,

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

20.2541, 20.0259, 12.2491

Protanopia

18.7688, 20.1572, 12.7990

Deuteranopia

20.4326, 20.1180, 12.2574



Tritanopia

21.9869, 19.8542, 21.4123

Trichromacy



Original Color

20.2541, 20.0259, 12.2491

Protanomaly

19.2862, 20.0605, 12.5284

Deuteranomaly

20.4326, 20.1180, 12.2574

Tritanomaly

21.3274, 19.9344, 17.7626

Monochromacy



Original Color

20.2541, 20.0259, 12.2491

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.3445, 19.9723, 17.8744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2541, 20.0259, 12.2491 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, 119, 89)` looks like.

```
.text, #text, p{  
    color:rgb(146, 119, 89)  
}
```

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, 119, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 119, 89) }
```

Border

The CSS property to change the border of an element to XYZ 20.2541, 20.0259, 12.2491 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, 119, 89) }
```


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

```
.border{ border-color:rgb(146, 119, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 119, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 119, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 119, 89);  
box-shadow:4px 4px 4px 4px rgb(146, 119,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2541, 20.0259, 12.2491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 119, 89) }
```

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

```
.background{ background-color: rgb(146,  
119, 89) }
```

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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