

Converting Colors

XYZ(20.3894, 23.5591, 9.6815)

Have a look what the booklet for
XYZ(20.3894, 23.5591, 9.6815)
contains.

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Color

**XYZ(20.4319, 23.6776,
9.6242)**

Conversions

Conversions Part 1

Format	Color
Hex	898948
RGB	137, 137, 72
RGB Percent	54%, 54%, 28%
CMY	0.4627, 0.4627, 0.7176
CMYK	0.00, 0.00, 0.47, 0.46
HSL	60°, 31%, 41%
HSV	60°, 47%, 54%
XYZ	20.4319, 23.6776, 9.6242
YIQ	129.5900, 20.8650, -20.2150

Conversions

Conversions Part 2

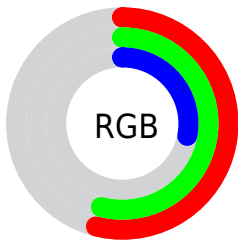
Format	Color
R_{YB}	72, 137, 72
Decimal	9013576
CIE _{Lab}	55.76, -9.80, 34.64
CIE _{LCh}	56, 36.001, 105.804
Yxy	23.6776, 0.3802, 0.4406
Android (android.graphics.Color)	4287203656 (0xFF898948)
YUV	129.5900, -28.3919, 6.4986
Hunter-Lab	48.6596, -10.2032, 22.3350

Details

The XYZ color **20.4319, 23.6776, 9.6242** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.5060, 7.8191, 24.6766**, and the grayscale version is **21.1657, 22.2679, 24.2498**.

A 20% lighter version of the original color is **43.6645, 49.4385, 25.6536**, and **7.3194, 8.8136, 2.1796** is the 20% darker color. If you saturate the color by 10%, you get **20.0340, 23.5193, 7.5270**, and if you desaturate by 10%, it is **20.9306, 23.8779, 12.2470**.

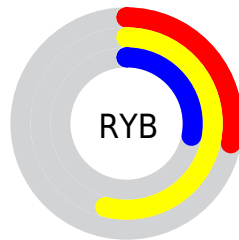
Distribution



Red (54%)

Green (54%)

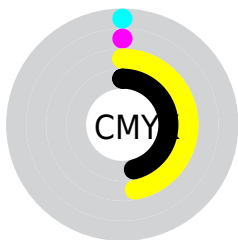
Blue (28%)



Red (28%)

Yellow (54%)

Blue (28%)

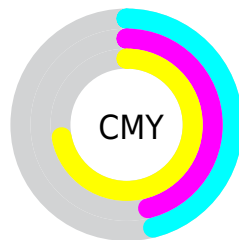


Cyan (0%)

Magenta (0%)

Yellow (47%)

Black (46%)



Cyan (46%)

Magenta (46%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4319, 23.6776, 9.6242 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 20.4319, 23.6776, 9.6242 by changing the saturation by 10% instead.

■ 20.4319, 23.6776,
9.6242

■ 20.4319, 23.6776,
9.6242

247.0330,
271.1865, 198.3548

■ 12.8195, 15.0946,
5.0482

■ 43.6386, 49.5036,
25.6829

■ 7.3805, 8.8858,
2.2163

■ 59.9635, 67.5154,
38.0026

■ 3.7496, 4.6668,
0.6838

■ 79.9233, 89.4389,
53.7407

■ 1.5615, 2.0531,
0.0000

■ 103.8834,
115.6586, 73.3156

■ 0.3671, 0.6381,
0.0000

■ 132.2090,
146.5588, 97.1460

■ 0.0000, 0.0000,
0.0000

165.2656,

182.5239, 125.6503

203.4185,
223.9383, 159.2471

■ 20.4319, 23.6776,
9.6242

■ 20.4319, 23.6776,
9.6242

■ 20.0340, 23.5193,
7.5270

■ 20.9306, 23.8779,
12.2470

■ 19.7284, 23.3970,
5.9188

■ 21.5344, 24.1195,
15.4260

■ 19.5083, 23.3090,
4.7603

■ 22.2496, 24.4056,
19.1912

■ 19.3649, 23.2516,
4.0059

■ 23.0812, 24.7382,
23.5699

■ 19.2812, 23.2181,
3.5658

■ 24.0343, 25.1195,
28.5878

■ 19.2620, 23.2104,
3.4648

■ 25.1133, 25.5511,
34.2692

■ 26.3227, 26.0349,
40.6369

■ 27.6665, 26.5724,
47.7129

■ 29.1488, 27.1654,
55.5179

Harmonies

Analogous

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



24.4873, 23.6776, 9.5397



20.4319, 23.6776, 9.6242



17.3282, 23.6776, 13.0601

Triad

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



20.4319, 23.6776, 9.6242



17.4596, 23.6776, 45.5150



31.0144, 23.6776, 31.7026

Complementary

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



20.4319, 23.6776, 9.6242



9.5060, 7.8191, 24.6766

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.



28.6217, 23.6776, 44.8655



20.4319, 23.6776, 9.6242



20.6324, 23.6776, 54.3300

Square

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



20.4319, 23.6776, 9.6242



15.7593, 23.6776, 32.4084



24.7135, 23.6776, 54.0616



30.9437, 23.6776, 20.1247

Rectangle

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



20.4319, 23.6776, 9.6242



16.0715, 23.6776, 17.6139



24.7135, 23.6776, 54.0616



30.4600, 23.6776, 36.1477

Sweetspot

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



20.4325, 23.6787, 9.6247



40.2867, 43.8810, 36.7049



13.8044, 10.4215, 7.4151



8.9756, 9.8181, 7.9143



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.4325, 23.6787, 9.6247



35.8246, 42.0960, 13.2131



15.8834, 21.3336, 9.4118



5.4310, 5.8449, 5.3943



17.9414, 21.6191, 3.2273



0.1192, 0.1436, 0.0214

Inverse Universe

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



9.5060, 7.8191, 24.6766



13.7643, 10.0759, 43.6026



12.6006, 9.4144, 24.8214



4.7747, 4.8923, 6.2985



4.2061, 1.6825, 22.1487



0.0279, 0.0112, 0.1471

Previews

White Background



This preview shows how the XYZ color 20.4319, 23.6776, 9.6242 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 20.4319, 23.6776, 9.6242 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 20.4319, 23.6776, 9.6242

Background



This preview shows how black text looks on a background with the XYZ color 20.4319, 23.6776, 9.6242.



This preview shows how white text looks on a background with the XYZ color 20.4319, 23.6776,

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

20.4319, 23.6776, 9.6242

Protanopia

21.6950, 23.7082, 9.3939

Deuteranopia

23.9297, 23.4597, 9.7455



Tritanopia

24.0855, 23.5233, 28.0819

Trichromacy



Original Color

20.4319, 23.6776, 9.6242

Protanomaly

21.1290, 23.6225, 9.4072

Deuteranomaly

22.6453, 23.5837, 9.6619

Tritanomaly

22.3303, 23.4031, 19.5600

Monochromacy



Original Color

20.4319, 23.6776, 9.6242

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.8207, 22.8657, 17.7842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4319, 23.6776, 9.6242 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(137, 137, 72)` looks like.

```
.text, #text, p{  
    color:rgb(137, 137, 72)  
}
```

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(137, 137, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 137, 72) }
```

Border

The CSS property to change the border of an element to XYZ 20.4319, 23.6776, 9.6242 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(137, 137, 72) }
```


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

```
.border{ border-color:rgb(137, 137, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 137, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 137, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 137, 72);  
box-shadow:4px 4px 4px 4px rgb(137, 137,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4319, 23.6776, 9.6242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 137, 72) }
```

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

```
.background{ background-color: rgb(137,  
137, 72) }
```

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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