

Converting Colors

XYZ(20.0872, 25.7396, 4.1751)

Have a look what the booklet for
XYZ(20.0872, 25.7396, 4.1751)
contains.

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Color

**XYZ(20.1559, 25.8737,
4.1902)**

Conversions

Conversions Part 1	
Format	Color
Hex	859309
RGB	133, 147, 9
RGB Percent	52%, 58%, 4%
CMY	0.4784, 0.4235, 0.9647
CMYK	0.10, 0.00, 0.94, 0.42
HSL	66°, 88%, 31%
HSV	66°, 94%, 58%
XYZ	20.1559, 25.8737, 4.1902
YIQ	127.0820, 35.9540, -45.8860

Conversions

Conversions Part 2

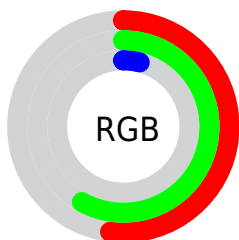
Format	Color
RYB	9, 147, 23
Decimal	8753929
CIELab	57.92, -20.44, 59.92
CIELCh	58, 63.311, 108.837
Yxy	25.8737, 0.4014, 0.5152
Android (android.graphics.Color)	4286944009 (0xFF859309)
YUV	127.0820, -58.2144, 5.1901
Hunter-Lab	50.8662, -18.2846, 30.7222

Details

The XYZ color **20.1559, 25.8737, 4.1902** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.7182, 2.4846, 27.7835**, and the grayscale version is **20.3872, 21.4489, 23.3578**.

A 20% lighter version of the original color is **43.1089, 53.0865, 14.4532**, and **7.4991, 10.2117, 1.5758** is the 20% darker color. If you saturate the color by 10%, you get **19.9634, 25.7810, 3.9241**, and if you desaturate by 10%, it is **20.5062, 26.0422, 4.7943**.

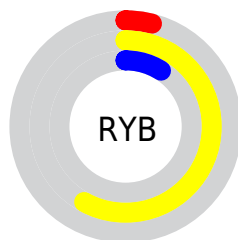
Distribution



Red (52%)

Green (58%)

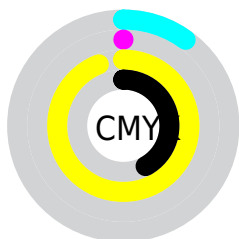
Blue (4%)



Red (4%)

Yellow (58%)

Blue (9%)

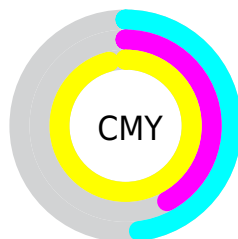


Cyan (10%)

Magenta (0%)

Yellow (94%)

Black (42%)



Cyan (48%)


Magenta (42%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1559, 25.8737, 4.1902 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 20.1559, 25.8737, 4.1902 by changing the saturation by 10% instead.


 20.1559, 25.8737,
4.1902


 20.1559, 25.8737,
4.1902


245.5754,
282.1615, 150.3165


 12.6173, 16.7292,
1.7303


 43.1804, 53.0711,
14.4461

 7.2408, 10.0416,
0.3813


 59.3970, 71.8928,
23.0791


 3.6608, 5.4265,
0.0000


 79.2370, 94.7090,
34.6069

 1.5121, 2.4996,
0.0000

 103.0657,
121.9041, 49.4481


 0.3340, 0.8765,
0.0000


 131.2486,
153.8625, 68.0210


 0.0000, 0.0000,
0.0000


 164.1509,


190.9686, 90.7444


 202.1380,
233.6068, 118.0367


 20.1559, 25.8737,
4.1902


 20.1559, 25.8737,
4.1902


 19.9634, 25.7810,
3.9241


 20.5062, 26.0422,
4.7943


 20.9415, 26.2441,
5.8306


 21.4741, 26.4853,
7.3620


 22.1139, 26.7698,
9.4404

 22.8696, 27.1011,
12.1109

 23.7488, 27.4821,
15.4142

 24.7586, 27.9158,
19.3872

 25.9054, 28.4047,
24.0641

 27.1954, 28.9512,
29.4767

Harmonies

Analogous

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



27.5409, 25.8737, 3.7950



20.1559, 25.8737, 4.1902



15.1241, 25.8737, 8.5883

Triad

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



20.1559, 25.8737, 4.1902



16.1499, 25.8737, 73.0756



41.9611, 25.8737, 37.1071

Complementary

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



20.1559, 25.8737, 4.1902



5.7182, 2.4846, 27.7835

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.



37.3624, 25.8737, 65.8278



20.1559, 25.8737, 4.1902



21.8618, 25.8737, 92.7003

Square

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



20.1559, 25.8737, 4.1902



13.1631, 25.8737, 44.0191



29.6358, 25.8737, 89.5198



41.2401, 25.8737, 16.6739

Rectangle

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



20.1559, 25.8737, 4.1902



13.2977, 25.8737, 15.5704



29.6358, 25.8737, 89.5198



40.9535, 25.8737, 46.2105

Sweetspot

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



20.1565, 25.8749, 4.1907



43.4560, 49.6131, 31.2169



12.3853, 6.8284, 0.9240



9.7603, 11.2569, 6.5020



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.1565, 25.8749, 4.1907



35.6638, 46.1234, 7.0230



12.6116, 21.9853, 3.8376



6.2081, 6.7151, 6.2094



17.3181, 22.3557, 3.4023



0.2254, 0.2806, 0.0423

Inverse Universe

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



5.7182, 2.4846, 27.7835



9.7081, 3.9152, 49.6786



9.7589, 4.5677, 27.9726



5.5509, 5.6595, 7.2696



4.7465, 1.9195, 24.0514



0.0688, 0.0290, 0.2949

Previews

White Background



This preview shows how the XYZ color 20.1559, 25.8737, 4.1902 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 20.1559, 25.8737, 4.1902 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 20.1559, 25.8737, 4.1902

Background



This preview shows how black text looks on a background with the XYZ color 20.1559, 25.8737, 4.1902.



This preview shows how white text looks on a background with the XYZ color 20.1559, 25.8737,

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

20.1559, 25.8737, 4.1902

Protanopia

23.1372, 25.6333, 3.7283

Deuteranopia

26.1169, 25.6911, 4.5596



Tritanopia

25.7137, 25.9272, 31.2530

Trichromacy



Original Color
20.1559, 25.8737, 4.1902

Protanomaly
21.9022, 25.6485, 3.8824

Deuteranomaly
23.5691, 25.4154, 4.3253

Tritanomaly
22.4978, 25.4883, 15.0432

Monochromacy



Original Color
20.1559, 25.8737, 4.1902

Achromatopsia
20.1725, 21.2231, 23.1119

Achromatomaly
19.1786, 22.3574, 11.6921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1559, 25.8737, 4.1902 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(133, 147, 9)` looks like.

```
.text, #text, p{  
    color:rgb(133, 147, 9)  
}
```

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(133, 147, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 147, 9) }
```

Border

The CSS property to change the border of an element to XYZ 20.1559, 25.8737, 4.1902 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(133, 147, 9) }
```


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

```
.border{ border-color:rgb(133, 147, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 147, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 147, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 147, 9);  
box-shadow:4px 4px 4px 4px rgb(133, 147,  
9) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1559, 25.8737, 4.1902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 147, 9) }
```

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

```
.background{ background-color: rgb(133,  
147, 9) }
```

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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