

Converting Colors

XYZ(20.1212, 15.9980, 2.3736)

Have a look what the booklet for
XYZ(20.1212, 15.9980, 2.3736)
contains.

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Color

**XYZ(20.2557, 16.1159,
2.3909)**

Conversions

Conversions Part 1

Format	Color
Hex	A95C0C
RGB	169, 92, 12
RGB Percent	66%, 36%, 5%
CMY	0.3373, 0.6392, 0.9529
CMYK	0.00, 0.46, 0.93, 0.34
HSL	31°, 87%, 35%
HSV	31°, 93%, 66%
XYZ	20.2557, 16.1159, 2.3909
YIQ	105.9030, 71.5720, -8.5560

Conversions

Conversions Part 2

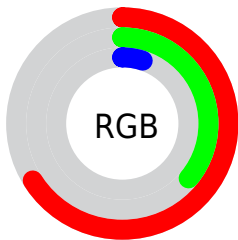
Format	Color
RYB	163, 169, 12
Decimal	11099148
CIELab	47.13, 26.56, 52.83
CIElCh	47, 59.134, 63.309
Yxy	16.1159, 0.5226, 0.4158
Android (android.graphics.Color)	4289289228 (0xFFA95C0C)
YUV	105.9030, -46.2942, 55.3361
Hunter-Lab	40.1446, 19.8124, 24.5701

Details

The XYZ color **20.2557, 16.1159, 2.3909** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.8852, 10.0871, 38.9091**, and the grayscale version is **13.7827, 14.5005, 15.7910**.

A 20% lighter version of the original color is **43.4687, 36.8732, 10.1364**, and **7.3688, 5.1918, 0.6137** is the 20% darker color. If you saturate the color by 10%, you get **19.6993, 15.1095, 1.8782**, and if you desaturate by 10%, it is **21.1680, 17.6940, 3.4558**.

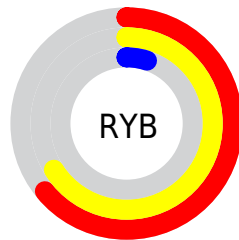
Distribution



Red (66%)

Green (36%)

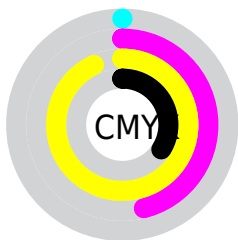
Blue (5%)



Red (64%)

Yellow (66%)

Blue (5%)

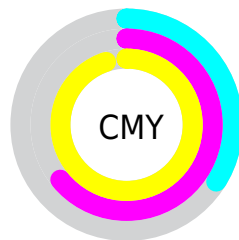


Cyan (0%)

Magenta (46%)

Yellow (93%)

Black (34%)



Cyan (34%)


Magenta (64%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2557, 16.1159, 2.3909 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 20.2557, 16.1159, 2.3909 by changing the saturation by 10% instead.


 20.2557, 16.1159,
2.3909


 20.2557, 16.1159,
2.3909


246.1033,
230.0247, 128.1786


 12.6904, 9.6062,
0.7815


 43.3461, 36.7993,
10.0843


 7.2912, 5.1386,
0.0000


 59.6020, 51.7418,
17.0167


 3.6928, 2.3288,
0.0000

 79.4854, 70.2640,
26.5643

 1.5299, 0.7889,
0.0000

 103.3617, 92.7503,
39.1455


 0.3460, 0.0000,
0.0000


 131.5963,
119.5851, 55.1791


 0.0000, 0.0000,
0.0000


 164.5546,


151.1529, 75.0834


 202.6018,
187.8379, 99.2770


 20.2557, 16.1159,
2.3909


 20.2557, 16.1159,
2.3909


 19.6993, 15.1095,
1.8782

 21.1680, 17.6940,
3.4558

 22.2754, 19.4789,
5.1503

 23.5971, 21.4828,
7.5622

 25.1490, 23.7155,
10.7649

 26.9453, 26.1862,
14.8225

■ 28.9989, 28.9032,
19.7926

■ 31.3216, 31.8745,
25.7276

■ 33.9243, 35.1076,
32.6759

■ 36.8174, 38.6094,
40.6827

Harmonies

Analogous

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



25.2716, 16.1159, 6.0610



20.2557, 16.1159, 2.3909



14.7484, 16.1159, 1.6813

Triad

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



20.2557, 16.1159, 2.3909



7.3542, 16.1159, 19.2508



21.4826, 16.1159, 53.9466

Complementary

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



20.2557, 16.1159, 2.3909



10.8852, 10.0871, 38.9091

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.



15.9014, 16.1159, 64.3898



20.2557, 16.1159, 2.3909



8.3956, 16.1159, 38.4067

Square

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



20.2557, 16.1159, 2.3909



8.0154, 16.1159, 7.5805



11.2555, 16.1159, 57.5131



26.0850, 16.1159, 33.7850

Rectangle

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



20.2557, 16.1159, 2.3909



11.6960, 16.1159, 2.2069



11.2555, 16.1159, 57.5131



19.6190, 16.1159, 59.1014

Sweetspot

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



20.2561, 16.1168, 2.3912



53.7041, 54.0471, 39.9025



18.3604, 9.4447, 10.6405



11.3412, 11.3103, 7.7796



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.2561, 16.1168, 2.3912



35.0705, 26.6401, 3.2936



30.6163, 36.8372, 5.8446



7.8353, 8.1506, 7.9495



14.7357, 11.3687, 1.4177



0.4095, 0.3787, 0.0515

Inverse Universe

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



10.8852, 10.0871, 38.9091



18.1408, 15.7605, 69.3111



7.4446, 3.2058, 37.7622



7.4242, 7.8852, 9.5490



7.6894, 6.8389, 28.8903



0.2384, 0.2691, 0.7200

Previews

White Background



This preview shows how the XYZ color 20.2557, 16.1159, 2.3909 looks on a white 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

Black Background



This preview shows how the XYZ color 20.2557, 16.1159, 2.3909 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2557, 16.1159, 2.3909

Background



This preview shows how black text looks on a background with the XYZ color 20.2557, 16.1159, 2.3909.



This preview shows how white text looks on a background with the XYZ color 20.2557, 16.1159,

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

20.2557, 16.1159, 2.3909

Protanopia

14.7751, 16.3693, 2.9970

Deuteranopia

16.4130, 16.2662, 2.2746



Tritanopia

22.2728, 16.1989, 12.0780

Trichromacy



Original Color

20.2557, 16.1159, 2.3909

Protanomaly

16.3004, 15.8913, 2.6984

Deuteranomaly

17.7222, 16.1869, 2.3052

Tritanomaly

21.1815, 15.9963, 6.6738

Monochromacy



Original Color

20.2557, 16.1159, 2.3909

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.8766, 14.4424, 8.1345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2557, 16.1159, 2.3909 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(169, 92, 12)` looks like.

```
.text, #text, p{  
    color:rgb(169, 92, 12)  
}
```

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(169, 92, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 92, 12) }
```

Border

The CSS property to change the border of an element to XYZ 20.2557, 16.1159, 2.3909 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(169, 92, 12) }
```


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

```
.border{ border-color:rgb(169, 92, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 92, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 92, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 92, 12);  
box-shadow:4px 4px 4px 4px rgb(169, 92,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2557, 16.1159, 2.3909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 92, 12) }
```

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

```
.background{ background-color: rgb(169, 92,  
12) }
```

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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