

Converting Colors

XYZ(20.8172, 20.2358, 3.2363)

Have a look what the booklet for
XYZ(20.8172, 20.2358, 3.2363)
contains.

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Color

**XYZ(20.7386, 20.1252,
3.2070)**

Conversions

Conversions Part 1

Format	Color
Hex	9F750E
RGB	159, 117, 14
RGB Percent	62%, 46%, 5%
CMY	0.3765, 0.5412, 0.9451
CMYK	0.00, 0.26, 0.91, 0.38
HSL	43°, 84%, 34%
HSV	43°, 91%, 62%
XYZ	20.7386, 20.1252, 3.2070
YIQ	117.8160, 58.0950, -23.1290

Conversions

Conversions Part 2

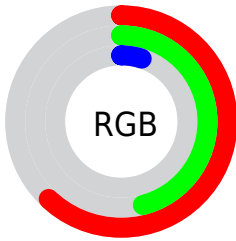
Format	Color
R _Y B	73, 159, 14
Decimal	10450190
CIE Lab	51.98, 8.00, 55.44
CIE LCh	52, 56.014, 81.787
Yxy	20.1252, 0.4706, 0.4567
Android (android.graphics.Color)	4288640270 (0xFF9F750E)
YUV	117.8160, -51.1813, 36.1184
Hunter-Lab	44.8611, 4.0108, 27.1643

Details

The XYZ color **20.7386, 20.1252, 3.2070** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.8534, 5.4251, 33.4338**, and the grayscale version is **17.3053, 18.2065, 19.8269**.

A 20% lighter version of the original color is **44.2387, 43.7363, 12.0716**, and **7.7216, 7.1398, 0.9711** is the 20% darker color. If you saturate the color by 10%, you get **20.1972, 19.1694, 2.6356**, and if you desaturate by 10%, it is **21.4428, 21.2875, 4.2008**.

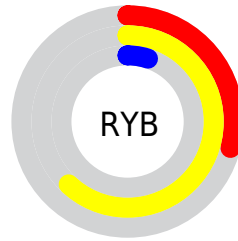
Distribution



Red (62%)

Green (46%)

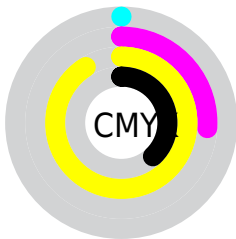
Blue (5%)



Red (29%)

Yellow (62%)

Blue (5%)

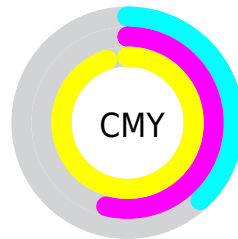


Cyan (0%)

Magenta (26%)

Yellow (91%)

Black (38%)



Cyan (38%)


Magenta (54%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7386, 20.1252, 3.2070 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 20.7386, 20.1252, 3.2070 by changing the saturation by 10% instead.


 20.7386, 20.1252,
3.2070


 20.7386, 20.1252,
3.2070


248.6441,
252.5921, 138.9549


 13.0444, 12.4861,
1.2013


 44.1466, 43.6270,
12.1351

 7.5364, 7.0756,
0.0000


 60.5912, 60.2585,
19.8945


 3.8490, 3.5094,
0.0000

 80.6833, 80.6562,
30.4090

 1.6171, 1.4031,
0.0000

 104.7883,
105.2045, 44.0969

 0.4035, 0.2190,
0.0000

 133.2715,
134.2879, 61.3770

 0.0000, 0.0000,
0.0000

 166.4983,

168.2907, 82.6676

204.8341,
207.5973, 108.3874

20.7386, 20.1252,
3.2070

20.7386, 20.1252,
3.2070

20.1972, 19.1694,
2.6356

21.4428, 21.2875,
4.2008

22.2756, 22.5433,
5.7421

23.2515, 23.8997,
7.9029

24.3824, 25.3621,
10.7443

25.6787, 26.9352,
14.3195

■ 27.1500, 28.6233,
18.6768

■ 28.8047, 30.4305,
23.8603

■ 30.6512, 32.3604,
29.9105

■ 32.6967, 34.4166,
36.8656

Harmonies

Analogous

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



26.7483, 20.1252, 5.3368



20.7386, 20.1252, 3.2070



15.3388, 20.1252, 3.7709

Triad

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



20.7386, 20.1252, 3.2070



10.6432, 20.1252, 35.7648



29.1073, 20.1252, 47.6586

Complementary

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



20.7386, 20.1252, 3.2070



7.8534, 5.4251, 33.4338

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.



23.4959, 20.1252, 65.9476



20.7386, 20.1252, 3.2070



13.1133, 20.1252, 57.0282

Square

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



20.7386, 20.1252, 3.2070



10.1956, 20.1252, 17.7245



17.6038, 20.1252, 70.0358



32.1699, 20.1252, 26.7141

Rectangle

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



20.7386, 20.1252, 3.2070



12.7099, 20.1252, 5.8434



17.6038, 20.1252, 70.0358



27.4093, 20.1252, 54.6776

Sweetspot

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



20.7391, 20.1262, 3.2074



49.6744, 52.4273, 36.6866



15.2062, 7.9856, 4.6771



10.9929, 11.5914, 7.6350



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.7391, 20.1262, 3.2074



35.9978, 33.9830, 4.6621



21.6834, 29.5736, 4.9812



7.0077, 7.3955, 7.0438



15.9896, 15.2149, 2.0940



0.3201, 0.3404, 0.0488

Inverse Universe

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



7.8534, 5.4251, 33.4338



12.8142, 7.6963, 59.5536



7.4116, 3.3311, 33.0529



6.4335, 6.7327, 8.3671



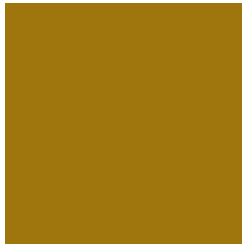
5.7482, 3.5880, 26.2968



0.1365, 0.1315, 0.4814

Previews

White Background



This preview shows how the XYZ color 20.7386, 20.1252, 3.2070 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 20.7386, 20.1252, 3.2070 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 20.7386, 20.1252, 3.2070

Background



This preview shows how black text looks on a background with the XYZ color 20.7386, 20.1252, 3.2070.



This preview shows how white text looks on a background with the XYZ color 20.7386, 20.1252,

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

20.7386, 20.1252, 3.2070

Protanopia

18.2500, 20.2832, 3.4835

Deuteranopia

20.4557, 20.1540, 3.1928



Tritanopia

23.9894, 20.1141, 19.4477

Trichromacy



Original Color

20.7386, 20.1252, 3.2070

Protanomaly

19.0857, 20.1595, 3.3755

Deuteranomaly

20.6516, 20.2550, 3.2019

Tritanomaly

22.1424, 19.8489, 10.2536

Monochromacy



Original Color

20.7386, 20.1252, 3.2070

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.5993, 18.5226, 10.2371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7386, 20.1252, 3.2070 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(159, 117, 14)` looks like.

```
.text, #text, p{  
    color:rgb(159, 117, 14)  
}
```

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(159, 117, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 117, 14) }
```

Border

The CSS property to change the border of an element to XYZ 20.7386, 20.1252, 3.2070 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(159, 117, 14) }
```


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

```
.border{ border-color:rgb(159, 117, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 117, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 117, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 117, 14);  
box-shadow:4px 4px 4px 4px rgb(159, 117,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7386, 20.1252, 3.2070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 117, 14) }
```

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

```
.background{ background-color: rgb(159,  
117, 14) }
```

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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