

Converting Colors

XYZ(21.2201, 20.2471, 3.2546)

Have a look what the booklet for
XYZ(21.2201, 20.2471, 3.2546)
contains.

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Color

**XYZ(21.2319, 20.2067,
3.2332)**

Conversions

Conversions Part 1

Format	Color
Hex	A2740F
RGB	162, 116, 15
RGB Percent	64%, 45%, 6%
CMY	0.3647, 0.5451, 0.9412
CMYK	0.00, 0.28, 0.91, 0.36
HSL	41°, 83%, 35%
HSV	41°, 91%, 64%
XYZ	21.2319, 20.2067, 3.2332
YIQ	118.2400, 59.8370, -21.6590

Conversions

Conversions Part 2

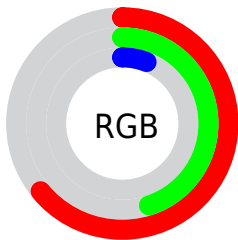
Format	Color
R_{YB}	82, 162, 15
Decimal	10646543
CIE _{Lab}	52.07, 9.97, 55.43
CIE _{LCh}	52, 56.320, 79.799
Yxy	20.2067, 0.4753, 0.4523
Android (android.graphics.Color)	4288836623 (0xFFA2740F)
YUV	118.2400, -50.8973, 38.3775
Hunter-Lab	44.9519, 5.6443, 27.2018

Details

The XYZ color **21.2319, 20.2067, 3.2332** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.3874, 6.0478, 34.9073**, and the grayscale version is **17.4375, 18.3456, 19.9784**.

A 20% lighter version of the original color is **44.9911, 43.8453, 12.2226**, and **8.0110, 7.1984, 0.9672** is the 20% darker color. If you saturate the color by 10%, you get **20.6184, 19.1178, 2.6034**, and if you desaturate by 10%, it is **21.9965, 21.4740, 4.2962**.

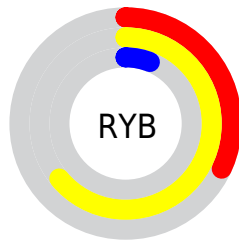
Distribution



Red (64%)

Green (45%)

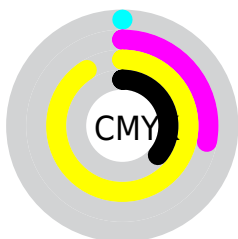
Blue (6%)



Red (32%)

Yellow (64%)

Blue (6%)

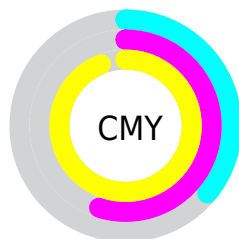


Cyan (0%)

Magenta (28%)

Yellow (91%)

Black (36%)



Cyan (36%)

Magenta (55%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2319, 20.2067, 3.2332 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 21.2319, 20.2067, 3.2332 by changing the saturation by 10% instead.

■ 21.2319, 20.2067,
3.2332

■ 21.2319, 20.2067,
3.2332

251.2168,
253.0319, 139.2775

■ 13.4070, 12.5454,
1.2149

■ 44.9615, 43.7635,
12.1986

■ 7.7884, 7.1163,
0.0000

■ 61.5970, 60.4277,
19.9829

■ 4.0105, 3.5349,
0.0000

■ 81.9001, 80.8617,
30.5262

■ 1.7081, 1.4170,
0.0000

■ 106.2361,
105.4498, 44.2471


■ 0.4613, 0.2292,
0.0000


■ 134.9705,
134.5765, 61.5641


■ 0.0000, 0.0000,
0.0000


■ 168.4684,


168.6262, 82.8958


 207.0954,
207.9832, 108.6608


 21.2319, 20.2067,
3.2332


 21.2319, 20.2067,
3.2332


 20.6184, 19.1178,
2.6034

 21.9965, 21.4740,
4.2962

 22.9006, 22.8481,
5.9356

 23.9591, 24.3366,
8.2266

 25.1847, 25.9451,
11.2324

 26.5883, 27.6790,
15.0090

■ 28.1798, 29.5429,
19.6065

■ 29.9684, 31.5411,
25.0709

■ 31.9627, 33.6777,
31.4447

■ 34.1705, 35.9566,
38.7677

Harmonies

Analogous

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



27.2656, 20.2067, 5.5930



21.2319, 20.2067, 3.2332



15.6980, 20.2067, 3.6304

Triad

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



21.2319, 20.2067, 3.2332



10.5661, 20.2067, 34.5689



28.9522, 20.2067, 49.4332

Complementary

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



21.2319, 20.2067, 3.2332



8.3874, 6.0478, 34.9073

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.



23.2009, 20.2067, 67.2848



21.2319, 20.2067, 3.2332



12.9151, 20.2067, 56.1446

Square

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



21.2319, 20.2067, 3.2332



10.2478, 20.2067, 16.8553



17.3130, 20.2067, 70.2164



32.2767, 20.2067, 28.1015

Rectangle

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



21.2319, 20.2067, 3.2332



12.9607, 20.2067, 5.5359



17.3130, 20.2067, 70.2164



27.1907, 20.2067, 56.4117

Sweetspot

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



21.2324, 20.2077, 3.2336



52.1659, 54.7759, 38.6160



15.9284, 8.3660, 5.2688



11.4896, 12.0453, 7.9929



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.2324, 20.2077, 3.2336



37.2410, 34.3258, 4.6627



23.0063, 31.0300, 5.2290



7.4616, 7.8616, 7.5043



16.2835, 15.1410, 2.0643



0.3814, 0.3966, 0.0564

Inverse Universe

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



8.3874, 6.0478, 34.9073



13.8010, 8.6587, 63.0000



7.6454, 3.4417, 34.4434



6.8729, 7.2048, 8.9315



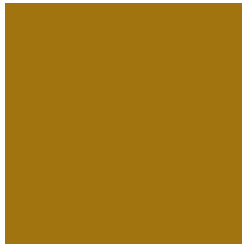
6.0947, 3.9688, 27.3746



0.1686, 0.1644, 0.5887

Previews

White Background



This preview shows how the XYZ color 21.2319, 20.2067, 3.2332 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 21.2319, 20.2067, 3.2332 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 21.2319, 20.2067, 3.2332

Background



This preview shows how black text looks on a background with the XYZ color 21.2319, 20.2067, 3.2332.



This preview shows how white text looks on a background with the XYZ color 21.2319, 20.2067,

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

21.2319, 20.2067, 3.2332

Protanopia

18.2580, 20.2864, 3.5256

Deuteranopia

20.4557, 20.1540, 3.1928



Tritanopia

24.4513, 20.2016, 19.1336

Trichromacy



Original Color

21.2319, 20.2067, 3.2332

Protanomaly

19.2735, 20.2554, 3.4242

Deuteranomaly

20.7386, 20.1252, 3.2070

Tritanomaly

22.6128, 19.9327, 10.0527

Monochromacy



Original Color

21.2319, 20.2067, 3.2332

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.6780, 18.3850, 10.4015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2319, 20.2067, 3.2332 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(162, 116, 15)` looks like.

```
.text, #text, p{  
    color:rgb(162, 116, 15)  
}
```

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(162, 116, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 116, 15) }
```

Border

The CSS property to change the border of an element to XYZ 21.2319, 20.2067, 3.2332 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(162, 116, 15) }
```


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

```
.border{ border-color:rgb(162, 116, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 116, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 116, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 116, 15);  
box-shadow:4px 4px 4px 4px rgb(162, 116,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2319, 20.2067, 3.2332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 116, 15) }
```

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

```
.background{ background-color: rgb(162,  
116, 15) }
```

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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