

Converting Colors

XYZ(20.3633, 19.5592, 3.9083)

Have a look what the booklet for
XYZ(20.3633, 19.5592, 3.9083)
contains.

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Color

**XYZ(20.4656, 19.6243,
3.9375)**

Conversions

Conversions Part 1

Format	Color
Hex	9E731E
RGB	158, 115, 30
RGB Percent	62%, 45%, 12%
CMY	0.3804, 0.5490, 0.8823
CMYK	0.00, 0.27, 0.81, 0.38
HSL	40°, 68%, 37%
HSV	40°, 81%, 62%
XYZ	20.4656, 19.6243, 3.9375
YIQ	118.1670, 52.9130, -17.3190

Conversions

Conversions Part 2

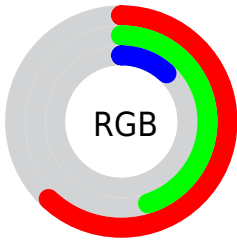
Format	Color
RYB	95, 158, 30
Decimal	10384158
CIELab	51.41, 9.13, 50.09
CIELCh	51, 50.910, 79.674
Yxy	19.6243, 0.4648, 0.4457
Android (android.graphics.Color)	4288574238 (0xFF9E731E)
YUV	118.1670, -43.4663, 34.9335
Hunter-Lab	44.2993, 4.9404, 25.7396

Details

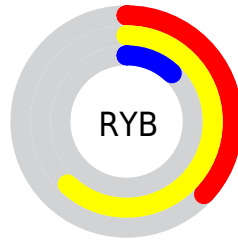
The XYZ color **20.4656, 19.6243, 3.9375** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.0894, 7.5095, 33.3178**, and the grayscale version is **17.3932, 18.2990, 19.9276**.

A 20% lighter version of the original color is **43.6606, 42.8456, 13.9515**, and **7.4866, 6.8391, 0.9255** is the 20% darker color. If you saturate the color by 10%, you get **19.7244, 18.3879, 2.9324**, and if you desaturate by 10%, it is **21.3437, 20.9728, 5.4877**.

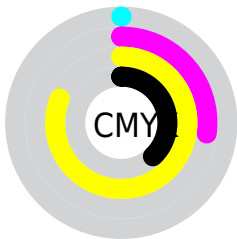
Distribution



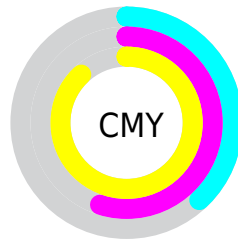
- Red (62%)
- Green (45%)
- Blue (12%)



- Red (37%)
- Yellow (62%)
- Blue (12%)



- Cyan (0%)
- Magenta (27%)
- Yellow (81%)
- Black (38%)



- Cyan (38%)
- Magenta (55%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4656, 19.6243, 3.9375 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 20.4656, 19.6243, 3.9375 by changing the saturation by 10% instead.

■ 20.4656, 19.6243,
3.9375

■ 20.4656, 19.6243,
3.9375

247.2105,
249.8739, 147.5281

■ 12.8442, 12.1222,
1.5911

■ 43.6944, 42.7864,
13.8654

■ 7.3976, 6.8270,
0.2845

■ 60.0326, 59.2152,
22.2839

■ 3.7605, 3.3541,
0.0000

■ 80.0070, 79.3884,
33.5636

■ 1.5675, 1.3193,
0.0000

■ 103.9830,
103.6904, 48.1230

■ 0.3711, 0.1561,
0.0000

■ 132.3260,
132.5055, 66.3806

■ 0.0000, 0.0000,
0.0000

■ 165.4013,

166.2182, 88.7550

203.5744,
205.2129, 115.6646

20.4656, 19.6243,
3.9375

20.4656, 19.6243,
3.9375

19.7244, 18.3879,
2.9324

21.3437, 20.9728,
5.4877

19.1445, 17.3572,
2.3412

22.3713, 22.4370,
7.6522

23.5607, 24.0234,
10.4912

24.9223, 25.7372,
14.0573

26.4657, 27.5829,
18.3979

■ 28.1996, 29.5649,
23.5563

■ 30.1321, 31.6873,
29.5726

■ 32.2707, 33.9539,
36.4844

■ 34.6227, 36.3682,
44.3267

Harmonies

Analogous

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



25.7438, 19.6243, 6.3136



20.4656, 19.6243, 3.9375



15.5424, 19.6243, 4.3336

Triad

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



20.4656, 19.6243, 3.9375



10.8595, 19.6243, 32.2834



27.1699, 19.6243, 45.1767

Complementary

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



20.4656, 19.6243, 3.9375



9.0894, 7.5095, 33.3178

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.



22.1516, 19.6243, 60.2130



20.4656, 19.6243, 3.9375



12.9997, 19.6243, 50.7190

Square

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



20.4656, 19.6243, 3.9375



10.5738, 19.6243, 16.7190



16.9494, 19.6243, 62.6068



30.0563, 19.6243, 26.8065

Rectangle

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



20.4656, 19.6243, 3.9375



13.0670, 19.6243, 6.2228



16.9494, 19.6243, 62.6068



25.6379, 19.6243, 51.0858

Sweetspot

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



20.4660, 19.6253, 3.9379



50.0820, 52.4172, 39.3664



15.8280, 8.7030, 7.4667



11.0521, 11.5442, 8.1651



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.



20.4660, 19.6253, 3.9379



34.9094, 31.7520, 4.4668



23.0752, 30.0190, 5.8065



6.9823, 7.3446, 7.0353



15.3702, 13.9761, 1.8876



0.3122, 0.3247, 0.0462

Inverse Universe

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



9.0894, 7.5095, 33.3178



13.7004, 9.3536, 59.8268



7.9123, 4.0553, 32.7132



6.4578, 6.7813, 8.3752



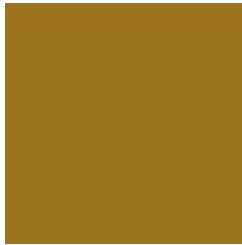
5.9984, 4.0884, 26.3802



0.1442, 0.1469, 0.4840

Previews

White Background



This preview shows how the XYZ color 20.4656, 19.6243, 3.9375 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 20.4656, 19.6243, 3.9375 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 20.4656, 19.6243, 3.9375

Background



This preview shows how black text looks on a background with the XYZ color 20.4656, 19.6243, 3.9375.



This preview shows how white text looks on a background with the XYZ color 20.4656, 19.6243,

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

20.4656, 19.6243, 3.9375

Protanopia

17.8249, 19.6735, 4.2244

Deuteranopia

20.1006, 19.7799, 3.9209



Tritanopia

23.4565, 19.5397, 18.7549

Trichromacy



Original Color

20.4656, 19.6243, 3.9375

Protanomaly

18.6408, 19.5516, 4.0877

Deuteranomaly

20.1775, 19.6474, 3.8913

Tritanomaly

21.8741, 19.3690, 10.9732

Monochromacy



Original Color

20.4656, 19.6243, 3.9375

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.7139, 18.3810, 11.4184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4656, 19.6243, 3.9375 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(158, 115, 30)` looks like.

```
.text, #text, p{  
    color:rgb(158, 115, 30)  
}
```

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(158, 115, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 115, 30) }
```

Border

The CSS property to change the border of an element to XYZ 20.4656, 19.6243, 3.9375 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(158, 115, 30) }
```


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

```
.border{ border-color:rgb(158, 115, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 115, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 115, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 115, 30);  
box-shadow:4px 4px 4px 4px rgb(158, 115,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4656, 19.6243, 3.9375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 115, 30) }
```

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

```
.background{ background-color: rgb(158,  
115, 30) }
```

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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