

Converting Colors

XYZ(20.1099, 19.5260, 4.4383)

Have a look what the booklet for
XYZ(20.1099, 19.5260, 4.4383)
contains.

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Color

**XYZ(20.0969, 19.5929,
4.4729)**

Conversions

Conversions Part 1

Format	Color
Hex	9B7425
RGB	155, 116, 37
RGB Percent	61%, 45%, 15%
CMY	0.3922, 0.5451, 0.8549
CMYK	0.00, 0.25, 0.76, 0.39
HSL	40°, 61%, 38%
HSV	40°, 76%, 61%
XYZ	20.0969, 19.5929, 4.4729
YIQ	118.6550, 48.6030, -16.3010

Conversions

Conversions Part 2

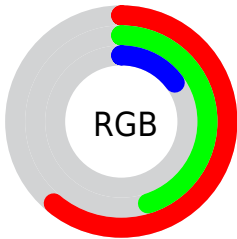
Format	Color
R_{YB}	95, 155, 37
Decimal	10187813
CIE Lab	51.37, 7.47, 47.15
CIE LCh	51, 47.741, 80.997
Yxy	19.5929, 0.4551, 0.4437
Android (android.graphics.Color)	4288377893 (0xFF9B7425)
YUV	118.6550, -40.2559, 31.8746
Hunter-Lab	44.2639, 3.5817, 24.9934

Details

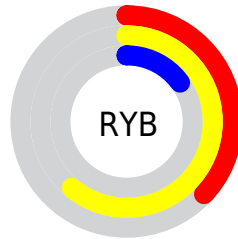
The XYZ color **20.0969, 19.5929, 4.4729** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.2638, 7.9286, 32.0523**, and the grayscale version is **17.5384, 18.4517, 20.0939**.

A 20% lighter version of the original color is **43.1635, 42.8395, 15.0107**, and **7.3227, 6.8436, 0.9350** is the 20% darker color. If you saturate the color by 10%, you get **19.3291, 18.3677, 3.2607**, and if you desaturate by 10%, it is **21.0015, 20.9266, 6.2409**.

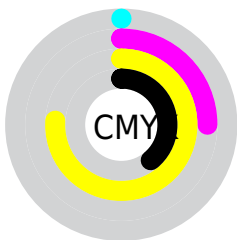
Distribution



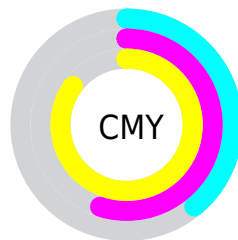
- Red (61%)
- Green (45%)
- Blue (15%)



- Red (37%)
- Yellow (61%)
- Blue (15%)



- Cyan (0%)
- Magenta (25%)
- Yellow (76%)
- Black (39%)





- Cyan (39%)
- Magenta (55%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.0969, 19.5929, 4.4729 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 20.0969, 19.5929, 4.4729 by changing the saturation by 10% instead.


 20.0969, 19.5929,
4.4729


 20.0969, 19.5929,
4.4729


245.2628,
249.7026, 153.3450


 12.5742, 12.0995,
1.8882


 43.0823, 42.7336,
15.0865


 7.2110, 6.8115,
0.4852


 59.2757, 59.1496,
23.9525


 3.6419, 3.3445,
0.0000

 79.0900, 79.3087,
35.7493

 1.5016, 1.3141,
0.0000

 102.8905,
103.5951, 50.8955

 0.3269, 0.1521,
0.0000

 131.0428,
132.3933, 69.8096

 0.0000, 0.0000,
0.0000

 163.9120,

166.0877, 92.9102

201.8635,
205.0627, 120.6158

■ 20.0969, 19.5929,
4.4729

■ 20.0969, 19.5929,
4.4729

■ 19.3291, 18.3677,
3.2607

■ 21.0015, 20.9266,
6.2409

■ 18.6797, 17.2402,
2.5156

■ 22.0537, 22.3714,
8.6251

■ 18.4452, 16.8240,
2.2752

■ 23.2646, 23.9334,
11.6793

■ 24.6436, 25.6172,
15.4509

■ 26.1995, 27.4269,
19.9832

■ 27.9401, 29.3666,
25.3159

■ 29.8729, 31.4398,
31.4859

■ 32.0050, 33.6502,
38.5278

■ 34.3428, 36.0011,
46.4745

Harmonies

Analogous

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



25.0213, 19.5929, 6.7261



20.0969, 19.5929, 4.4729



15.5216, 19.5929, 4.9940

Triad

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



20.0969, 19.5929, 4.4729



11.2967, 19.5929, 32.2145



26.7103, 19.5929, 42.5383

Complementary

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



20.0969, 19.5929, 4.4729



9.2638, 7.9286, 32.0523

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.



22.1111, 19.5929, 56.5170



20.0969, 19.5929, 4.4729



13.4197, 19.5929, 48.9973

Square

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



20.0969, 19.5929, 4.4729



10.9445, 19.5929, 17.4765



17.2220, 19.5929, 59.2847



29.2462, 19.5929, 25.7196

Rectangle

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



20.0969, 19.5929, 4.4729



13.2238, 19.5929, 7.0025



17.2220, 19.5929, 59.2847



25.3207, 19.5929, 47.9798

Sweetspot

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



20.0973, 19.5939, 4.4733



47.7227, 50.0263, 38.2025



15.4954, 8.8183, 7.7842



10.5727, 11.0636, 7.9583



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.0973, 19.5939, 4.4733



33.8240, 31.5345, 4.8819



22.1007, 28.7548, 6.1359



6.5368, 6.8787, 6.5890



14.8512, 13.5849, 1.8394



0.2550, 0.2690, 0.0385

Inverse Universe

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



9.2638, 7.9286, 32.0523



13.6229, 9.9189, 56.7328



8.2466, 4.5500, 31.4538



6.0429, 6.3432, 7.8348



5.7428, 3.8823, 25.3544



0.1168, 0.1199, 0.3894

Previews

White Background



This preview shows how the XYZ color 20.0969, 19.5929, 4.4729 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 20.0969, 19.5929, 4.4729 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 20.0969, 19.5929, 4.4729

Background



This preview shows how black text looks on a background with the XYZ color 20.0969, 19.5929, 4.4729.



This preview shows how white text looks on a background with the XYZ color 20.0969, 19.5929,

4.4729.

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

20.0969, 19.5929, 4.4729

Protanopia

17.7657, 19.6308, 4.7722

Deuteranopia

20.0216, 19.7262, 4.5025



Tritanopia

23.0707, 19.4831, 19.3743

Trichromacy



Original Color

20.0969, 19.5929, 4.4729

Protanomaly

18.5679, 19.5022, 4.6194

Deuteranomaly

20.0216, 19.7262, 4.5025

Tritanomaly

21.5464, 19.3426, 11.8304

Monochromacy



Original Color

20.0969, 19.5929, 4.4729

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.7973, 18.5837, 12.1002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0969, 19.5929, 4.4729 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(155, 116, 37)` looks like.

```
.text, #text, p{  
    color:rgb(155, 116, 37)  
}
```

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(155, 116, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 116, 37) }
```

Border

The CSS property to change the border of an element to XYZ 20.0969, 19.5929, 4.4729 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(155, 116, 37) }
```


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

```
.border{ border-color:rgb(155, 116, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 116, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 116, 37); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 116, 37); box-shadow:4px 4px 4px 4px rgb(155, 116, 37) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0969, 19.5929, 4.4729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 116, 37) }
```

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

```
.background{ background-color: rgb(155,  
116, 37) }
```

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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