

Converting Colors

XYZ(20.5109, 22.4723, 4.5509)

Have a look what the booklet for
XYZ(20.5109, 22.4723, 4.5509)
contains.

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Color

**XYZ(20.4427, 22.3601,
4.5348)**

Conversions

Conversions Part 1

Format	Color
Hex	94821F
RGB	148, 130, 31
RGB Percent	58%, 51%, 12%
CMY	0.4196, 0.4902, 0.8784
CMYK	0.00, 0.12, 0.79, 0.42
HSL	51°, 65%, 35%
HSV	51°, 79%, 58%
XYZ	20.4427, 22.3601, 4.5348
YIQ	124.0960, 42.5070, -26.9730

Conversions

Conversions Part 2

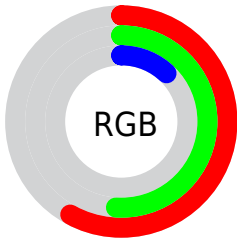
Format	Color
R_{YB}	52, 148, 31
Decimal	9732639
CIE _{Lab}	54.41, -3.91, 52.07
CIE _{LCh}	54, 52.212, 94.289
Yxy	22.3601, 0.4318, 0.4724
Android (android.graphics.Color)	4287922719 (0xFF94821F)
YUV	124.0960, -45.8963, 20.9638
Hunter-Lab	47.2865, -5.5829, 27.4146

Details

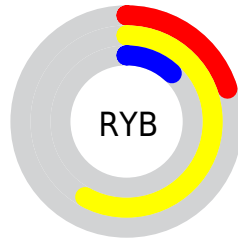
The XYZ color **20.4427, 22.3601, 4.5348** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.0087, 4.6260, 28.5403**, and the grayscale version is **19.3292, 20.3358, 22.1457**.

A 20% lighter version of the original color is **43.7106, 47.4862, 15.2495**, and **7.4566, 8.2120, 1.1921** is the 20% darker color. If you saturate the color by 10%, you get **19.9914, 21.7013, 3.6333**, and if you desaturate by 10%, it is **20.9913, 23.0703, 5.9112**.

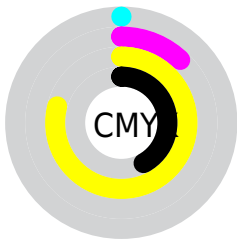
Distribution



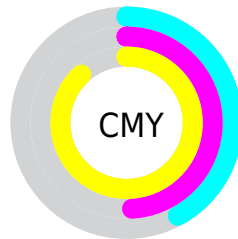
- Red (58%)
- Green (51%)
- Blue (12%)



- Red (20%)
- Yellow (58%)
- Blue (12%)



- Cyan (0%)
- Magenta (12%)
- Yellow (79%)
- Black (42%)



- Cyan (42%)
- Magenta (49%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4427, 22.3601, 4.5348 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 20.4427, 22.3601, 4.5348 by changing the saturation by 10% instead.

■ 20.4427, 22.3601,
4.5348

■ 20.4427, 22.3601,
4.5348

247.0899,
264.4211, 153.9961

■ 12.8274, 14.1217,
1.9231

■ 43.6565, 47.3404,
15.2255

■ 7.3860, 8.2054,
0.5074

■ 59.9856, 64.8512,
24.1416

■ 3.7531, 4.2266,
0.0000

■ 79.9501, 86.2216,
35.9962

■ 1.5634, 1.8011,
0.0000

■ 103.9153,
111.8359, 51.2079

■ 0.3684, 0.4879,
0.0000

■ 132.2465,
142.0787, 70.1952

■ 0.0000, 0.0000,
0.0000

■ 165.3091,

177.3342, 93.3766

203.4684,
217.9868, 121.1708

■ 20.4427, 22.3601,
4.5348

■ 20.4427, 22.3601,
4.5348

■ 19.9914, 21.7013,
3.6333

■ 20.9913, 23.0703,
5.9112

■ 19.6112, 21.0807,
3.0757

■ 21.6466, 23.8331,
7.8185

■ 19.5761, 21.0228,
3.0260

■ 22.4185, 24.6534,
10.3063

■ 23.3153, 25.5346,
13.4182

■ 24.3446, 26.4797,
17.1935

■ 25.5131, 27.4916,
21.6685

■ 26.8274, 28.5729,
26.8767

■ 28.2935, 29.7262,
32.8494

■ 29.9169, 30.9535,
39.6161

Harmonies

Analogous

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



26.3753, 22.3601, 5.5936



20.4427, 22.3601, 4.5348



15.6525, 22.3601, 6.5221

Triad

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



20.4427, 22.3601, 4.5348



13.4170, 22.3601, 46.6795



32.7469, 22.3601, 40.6761

Complementary

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



20.4427, 22.3601, 4.5348



7.0087, 4.6260, 28.5403

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.



28.0506, 22.3601, 60.6172



20.4427, 22.3601, 4.5348



16.8402, 22.3601, 65.0367

Square

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



20.4427, 22.3601, 4.5348



12.0835, 22.3601, 26.7724



22.0836, 22.3601, 71.0304



34.1750, 22.3601, 22.0715

Rectangle

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



20.4427, 22.3601, 4.5348



13.5322, 22.3601, 10.2280



22.0836, 22.3601, 71.0304



31.4614, 22.3601, 47.6716

Sweetspot

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



20.4432, 22.3612, 4.5352



43.8667, 47.5239, 33.7908



13.2894, 7.5107, 3.8241



9.8644, 10.7178, 7.1464



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.4432, 22.3612, 4.5352



34.7525, 37.4323, 5.6681



17.1440, 24.5299, 5.1277



6.1903, 6.5943, 6.1870



16.7372, 17.9887, 2.5900



0.2214, 0.2532, 0.0372

Inverse Universe

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



7.0087, 4.6260, 28.5403



10.2287, 5.1893, 49.8971



8.3613, 4.4204, 28.4293



5.5673, 5.7685, 7.2897



4.8372, 2.3693, 24.1334



0.0729, 0.0564, 0.2999

Previews

White Background



This preview shows how the XYZ color 20.4427, 22.3601, 4.5348 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 20.4427, 22.3601, 4.5348 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 20.4427, 22.3601, 4.5348

Background



This preview shows how black text looks on a background with the XYZ color 20.4427, 22.3601, 4.5348.



This preview shows how white text looks on a background with the XYZ color 20.4427, 22.3601,

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

20.4427, 22.3601, 4.5348

Protanopia

20.2177, 22.4425, 4.5626

Deuteranopia

22.8062, 22.4233, 4.6395



Tritanopia

24.4517, 22.2820, 24.4848

Trichromacy



Original Color

20.4427, 22.3601, 4.5348

Protanomaly

20.3962, 22.5346, 4.5709

Deuteranomaly

21.8359, 22.3006, 4.5924

Tritanomaly

22.2221, 21.9169, 13.8856

Monochromacy



Original Color

20.4427, 22.3601, 4.5348

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.9792, 20.6464, 12.6577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4427, 22.3601, 4.5348 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(148, 130, 31)` looks like.

```
.text, #text, p{  
    color:rgb(148, 130, 31)  
}
```

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(148, 130, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 130, 31) }
```

Border

The CSS property to change the border of an element to XYZ 20.4427, 22.3601, 4.5348 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(148, 130, 31) }
```


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

```
.border{ border-color:rgb(148, 130, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 130, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 130, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 130, 31);  
box-shadow:4px 4px 4px 4px rgb(148, 130,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4427, 22.3601, 4.5348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 130, 31) }
```

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

```
.background{ background-color: rgb(148,  
130, 31) }
```

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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