

Converting Colors

XYZ(21.2169, 19.5022, 4.3151)

Have a look what the booklet for
XYZ(21.2169, 19.5022, 4.3151)
contains.

XYZ(21.2169, 19.5022, 4.3151)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.2169, 19.5022,
4.3151)**

Conversions

Conversions Part 1

Format	Color
Hex	A37024
RGB	163, 112, 36
RGB Percent	64%, 44%, 14%
CMY	0.3608, 0.5608, 0.8588
CMYK	0.00, 0.31, 0.78, 0.36
HSL	36°, 64%, 39%
HSV	36°, 78%, 64%
XYZ	21.2169, 19.5022, 4.3151
YIQ	118.5850, 54.7920, -12.8240

Conversions

Conversions Part 2

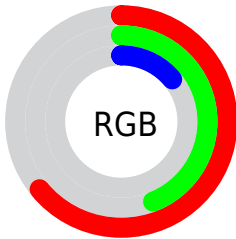
Format	Color
R_{YB}	121, 163, 36
Decimal	10711076
CIE _{Lab}	51.27, 13.35, 47.79
CIE _{LCh}	51, 49.625, 74.390
Yxy	19.5022, 0.4711, 0.4331
Android (android.graphics.Color)	4288901156 (0xFFA37024)
YUV	118.5850, -40.7144, 38.9520
Hunter-Lab	44.1613, 8.4765, 25.1195

Details

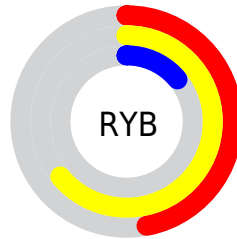
The XYZ color **21.2169, 19.5022, 4.3151** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.7465, 9.8355, 35.9823**, and the grayscale version is **17.5162, 18.4284, 20.0686**.

A 20% lighter version of the original color is **45.0794, 42.7524, 14.6802**, and **7.8968, 6.7926, 0.8949** is the 20% darker color. If you saturate the color by 10%, you get **20.3263, 18.0329, 3.0574**, and if you desaturate by 10%, it is **22.2742, 21.1238, 6.1880**.

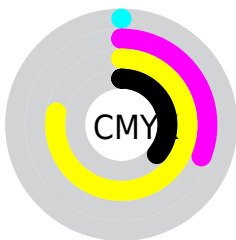
Distribution



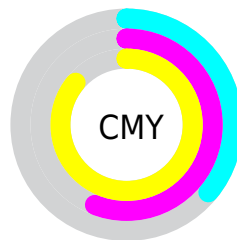
- Red (64%)
- Green (44%)
- Blue (14%)



- Red (47%)
- Yellow (64%)
- Blue (14%)



- Cyan (0%)
- Magenta (31%)
- Yellow (78%)
- Black (36%)





- Cyan (36%)
- Magenta (56%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2169, 19.5022, 4.3151 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 21.2169, 19.5022, 4.3151 by changing the saturation by 10% instead.


 21.2169, 19.5022,
4.3151

 21.2169, 19.5022,
4.3151


251.1389,
249.2073, 151.6658


 13.3960, 12.0337,
1.7997


 44.9368, 42.5810,
14.7302


 7.7807, 6.7666,
0.4278


 61.5665, 58.9601,
23.4670

 4.0055, 3.3166,
0.0000


 81.8632, 79.0782,
35.1147

 1.7053, 1.2992,
0.0000

 106.1922,
103.3197, 50.0919

 0.4596, 0.1406,
0.0000

 134.9190,
132.0689, 68.8171

 0.0000, 0.0000,
0.0000

 168.4088,

165.7104, 91.7087

207.0270,
204.6284, 119.1855

■ 21.2169, 19.5022,
4.3151

■ 21.2169, 19.5022,
4.3151

■ 20.3263, 18.0329,
3.0574

■ 22.2742, 21.1238,
6.1880

■ 19.5765, 16.7013,
2.2896

■ 23.5117, 22.9025,
8.7471

■ 19.4297, 16.4375,
2.1487

■ 24.9426, 24.8459,
12.0551

■ 26.5782, 26.9602,
16.1670

■ 28.4290, 29.2512,
21.1326

■ 30.5045, 31.7243,
26.9976

■ 32.8138, 34.3845,
33.8047

■ 35.3652, 37.2366,
41.5936

■ 38.1667, 40.2854,
50.4017

Harmonies

Analogous

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



26.2028, 19.5022, 7.3050



21.2169, 19.5022, 4.3151



16.2701, 19.5022, 4.2634

Triad

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



21.2169, 19.5022, 4.3151



10.7614, 19.5022, 28.7544



26.0228, 19.5022, 47.2739

Complementary

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



21.2169, 19.5022, 4.3151



10.7465, 9.8355, 35.9823

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.



21.0036, 19.5022, 60.0893



21.2169, 19.5022, 4.3151



12.5332, 19.5022, 46.5781

Square

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



21.2169, 19.5022, 4.3151



10.7980, 19.5022, 14.7123



16.0915, 19.5022, 59.7895



29.2963, 19.5022, 29.4456

Rectangle

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



21.2169, 19.5022, 4.3151



13.6636, 19.5022, 5.7491



16.0915, 19.5022, 59.7895



24.4482, 19.5022, 52.6031

Sweetspot

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



21.2173, 19.5032, 4.3155



52.5310, 54.3328, 42.3551



17.5349, 9.7683, 10.3944



11.5164, 11.8643, 8.7250



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.



21.2173, 19.5032, 4.3155



35.4699, 30.6479, 4.4912



26.4427, 33.0374, 6.6524



7.4097, 7.7577, 7.4869



15.1458, 12.8655, 1.6850



0.3627, 0.3593, 0.0502

Inverse Universe

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



10.7465, 9.8355, 35.9823



16.0233, 12.8153, 63.6852



8.3951, 4.5008, 35.0765



6.9230, 7.3050, 8.9482



6.6694, 5.1182, 27.5662



0.1858, 0.1988, 0.5944

Previews

White Background



This preview shows how the XYZ color 21.2169, 19.5022, 4.3151 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 21.2169, 19.5022, 4.3151 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 21.2169, 19.5022, 4.3151

Background



This preview shows how black text looks on a background with the XYZ color 21.2169, 19.5022, 4.3151.



This preview shows how white text looks on a background with the XYZ color 21.2169, 19.5022,

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

21.2169, 19.5022, 4.3151

Protanopia

17.7657, 19.6308, 4.7722

Deuteranopia

19.8606, 19.4763, 4.2259



Tritanopia

24.1807, 19.6202, 18.1354

Trichromacy



Original Color

21.2169, 19.5022, 4.3151

Protanomaly

18.8007, 19.4446, 4.5960

Deuteranomaly

20.3387, 19.5509, 4.2918

Tritanomaly

22.7281, 19.4880, 11.1580

Monochromacy



Original Color

21.2169, 19.5022, 4.3151

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.0402, 18.3629, 12.0448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2169, 19.5022, 4.3151 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(163, 112, 36)` looks like.

```
.text, #text, p{  
    color:rgb(163, 112, 36)  
}
```

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(163, 112, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 112, 36) }
```

Border

The CSS property to change the border of an element to XYZ 21.2169, 19.5022, 4.3151 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(163, 112, 36) }
```


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

```
.border{ border-color:rgb(163, 112, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 112, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 112, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 112, 36);  
box-shadow:4px 4px 4px 4px rgb(163, 112,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2169, 19.5022, 4.3151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 112, 36) }
```

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

```
.background{ background-color: rgb(163,  
112, 36) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor