

Converting Colors

XYZ(23.2177, 21.4060, 13.5242)

Have a look what the booklet for
XYZ(23.2177, 21.4060, 13.5242)
contains.

| | |
|--|----|
| XYZ(23.1968, 21.3421, 13.4865) | 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(23.1968, 21.3421,
13.4865)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | A1765E |
| RGB | 161, 118, 94 |
| RGB Percent | 63%, 46%, 37% |
| CMY | 0.3686, 0.5372, 0.6314 |
| CMYK | 0.00, 0.27, 0.42, 0.37 |
| HSL | 21°, 26%, 50% |
| HSV | 21°, 42%, 63% |
| XYZ | 23.1968, 21.3421, 13.4865 |
| YIQ | 128.1210, 33.3320, 1.6520 |

Conversions

Conversions Part 2

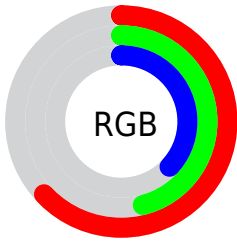
| Format | Color |
|-------------------------------------|---|
| RYB | 161, 131, 94 |
| Decimal | 10581598 |
| CIELab | 53.32, 13.66, 19.82 |
| CIELCh | 53, 24.077, 55.426 |
| Yxy | 21.3421, 0.3998, 0.3678 |
| Android (android.graphics.Color) | 4288771678 (0xFFA1765E) |
| YUV | 128.1210, -16.8217, 28.8349 |
| Hunter-Lab | 46.1975, 8.7832, 15.0296 |

Details

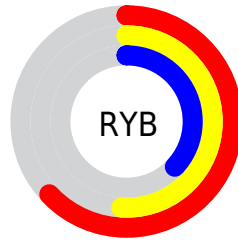
The XYZ color **23.1968, 21.3421, 13.4865** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.9945, 22.8434, 37.0737**, and the grayscale version is **20.6087, 21.6820, 23.6117**.

A 20% lighter version of the original color is **48.1008, 45.5455, 33.0440**, and **8.7871, 7.7195, 3.8232** is the 20% darker color. If you saturate the color by 10%, you get **21.3976, 18.7818, 9.6866**, and if you desaturate by 10%, it is **25.2811, 24.2313, 18.1254**.

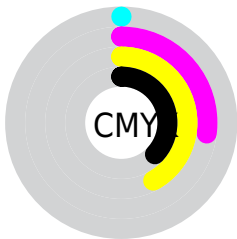
Distribution



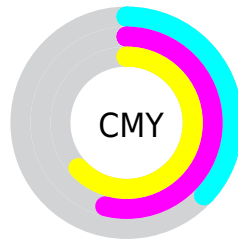
- Red (63%)
- Green (46%)
- Blue (37%)



- Red (63%)
- Yellow (51%)
- Blue (37%)



- Cyan (0%)
- Magenta (27%)
- Yellow (42%)
- Black (37%)





- Cyan (37%)
- Magenta (54%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1968, 21.3421, 13.4865 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 23.1968, 21.3421, 13.4865 by changing the saturation by 10% instead.

 23.1968, 21.3421,
13.4865


 23.1968, 21.3421,
13.4865

261.2507,
259.0910, 225.3287


 14.8604, 13.3743,
7.6297


 48.1806, 45.6562,
32.8790


 8.8071, 7.6868,
3.7746


 65.5586, 62.7713,
47.2518

 4.6717, 3.8952,
1.5025

 86.6812, 83.7042,
65.3004

 2.0887, 1.6151,
0.2198

 111.9138,
108.8395, 87.4433

 0.6831, 0.3678,
0.0000

141.6217,
138.5614, 114.0990

 0.0000, 0.0000,
0.0000

176.1702,

173.2543, 145.6861

215.9248,
213.3027, 182.6232

■ 23.1968, 21.3421,
13.4865

■ 23.1968, 21.3421,
13.4865

■ 21.3976, 18.7818,
9.6866

■ 25.2811, 24.2313,
18.1254

■ 19.8682, 16.5351,
6.6733

■ 27.6615, 27.4580,
23.6488

■ 18.5941, 14.5897,
4.3901

■ 30.3506, 31.0341,
30.1004

■ 17.5585, 12.9314,
2.7723

■ 33.3595, 34.9703,
37.5208

■ 16.7423, 11.5442,
1.7438

■ 36.6988, 39.2764,
45.9479

■ 16.1950, 10.5710,
1.1868

■ 40.3786, 43.9622,
55.4178

■ 44.4086, 49.0368,
65.9646

■ 48.7980, 54.5092,
77.6210

■ 53.5557, 60.3879,
90.4182

Harmonies

Analogous

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



25.0437, 21.3421, 17.7148



23.1968, 21.3421, 13.4865



20.6785, 21.3421, 11.8620

Triad

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



23.1968, 21.3421, 13.4865



15.7792, 21.3421, 22.1360



22.4641, 21.3421, 38.3685

Complementary

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



23.1968, 21.3421, 13.4865



19.9945, 22.8434, 37.0737

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.



19.8965, 21.3421, 40.2358



23.1968, 21.3421, 13.4865



16.1709, 21.3421, 29.8041

Square

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



23.1968, 21.3421, 13.4865



16.5094, 21.3421, 16.1450



17.6277, 21.3421, 36.8254



24.5964, 21.3421, 32.1528

Rectangle

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



23.1968, 21.3421, 13.4865



19.0084, 21.3421, 12.1590



17.6277, 21.3421, 36.8254



21.6175, 21.3421, 39.5744

Sweetspot

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



23.1973, 21.3431, 13.4869



54.0448, 55.1697, 53.1522



23.2557, 17.4047, 26.0082



11.7211, 11.9255, 11.3375



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.



23.1973, 21.3431, 13.4869



38.5235, 33.9284, 17.7621



27.7770, 30.5025, 15.0135



7.2718, 7.4820, 7.4410



12.9701, 8.5141, 0.9598



0.3161, 0.2660, 0.0347

Inverse Universe

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



19.9945, 22.8434, 37.0737



31.9788, 36.9541, 65.8339



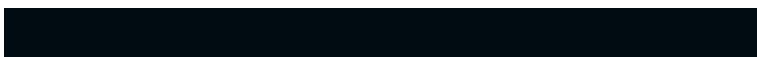
16.0047, 14.8638, 35.7438



7.0616, 7.5823, 8.9944



9.0766, 9.9325, 28.3686



0.2329, 0.2931, 0.6102

Previews

White Background



This preview shows how the XYZ color 23.1968, 21.3421, 13.4865 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 23.1968, 21.3421, 13.4865 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 23.1968, 21.3421, 13.4865

Background



This preview shows how black text looks on a background with the XYZ color 23.1968, 21.3421, 13.4865.



This preview shows how white text looks on a background with the XYZ color 23.1968, 21.3421,

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

23.1968, 21.3421, 13.4865

Protanopia

19.9473, 21.2948, 14.6142

Deuteranopia

21.6978, 21.2887, 13.3215



Tritanopia

24.9023, 21.3572, 21.5487

Trichromacy



Original Color

23.1968, 21.3421, 13.4865

Protanomaly

21.0424, 21.2981, 14.3112

Deuteranomaly

22.3307, 21.4336, 13.3161

Tritanomaly

24.1596, 21.2178, 18.1513

Monochromacy



Original Color

23.1968, 21.3421, 13.4865

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.1753, 21.2517, 19.5089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1968, 21.3421, 13.4865 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(161, 118, 94)` looks like.

```
.text, #text, p{  
    color:rgb(161, 118, 94)  
}
```

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(161, 118, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 118, 94) }
```

Border

The CSS property to change the border of an element to XYZ 23.1968, 21.3421, 13.4865 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(161, 118, 94) }
```


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

```
.border{ border-color:rgb(161, 118, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 118, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 118, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 118, 94);  
box-shadow:4px 4px 4px 4px rgb(161, 118,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1968, 21.3421, 13.4865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 118, 94) }
```

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

```
.background{ background-color: rgb(161,  
118, 94) }
```

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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