

Converting Colors

XYZ(19.8464, 10.2221, 1.3425)

Have a look what the booklet for
XYZ(19.8464, 10.2221, 1.3425)
contains.

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Color

**XYZ(19.8464, 10.2221,
1.3425)**

Conversions

Conversions Part 1

Format	Color
Hex	B8000E
RGB	184, 0, 14
RGB Percent	72%, 0%, 5%
CMY	0.2784, 0.9999, 0.9451
CMYK	0.00, 1.00, 0.92, 0.28
HSL	355°, 100%, 36%
HSV	355°, 100%, 72%
XYZ	19.8464, 10.2221, 1.3425
YIQ	56.6120, 105.1700, 43.3620

Conversions

Conversions Part 2

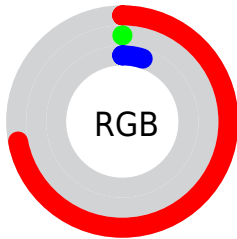
Format	Color
RYB	184, 0, 14
Decimal	12058638
CIELab	38.24, 62.85, 47.31
CIElCh	38, 78.663, 36.972
Yxy	10.2221, 0.6318, 0.3254
Android (android.graphics.Color)	4290248718 (0xFFB8000E)
YUV	56.6120, -21.0077, 111.7193
Hunter-Lab	31.9720, 54.8516, 19.8908

Details

The XYZ color **19.8464, 10.2221, 1.3425** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **24.3999, 37.1845, 43.9397**, and the grayscale version is **3.8578, 4.0587, 4.4199**.

A 20% lighter version of the original color is **42.8250, 26.3508, 7.1041**, and **7.8852, 4.0649, 0.3690** is the 20% darker color. If you saturate the color by 10%, you get **19.8460, 10.2218, 1.3412**, and if you desaturate by 10%, it is **20.2378, 10.7361, 2.3022**.

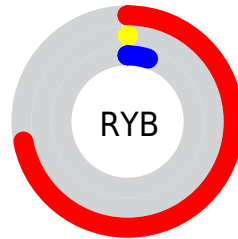
Distribution



Red (72%)

Green (0%)

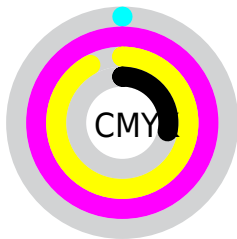
Blue (5%)



Red (72%)

Yellow (0%)

Blue (5%)

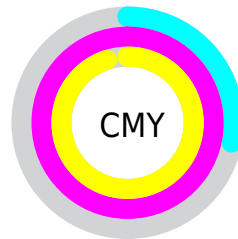


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (28%)



Cyan (28%)


Magenta (100%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.8464, 10.2221, 1.3425 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 19.8464, 10.2221, 1.3425 by changing the saturation by 10% instead.


 19.8464, 10.2221,
1.3425


 19.8464, 10.2221,
1.3425


 243.9318,
192.2500, 111.1468


 12.3911, 5.5465,
0.0962


 42.6654, 26.2124,
7.1496


 7.0847, 2.5713,
0.0000


 58.7598, 38.2959,
12.7819


 3.5619, 0.9123,
0.0000

 78.4646, 53.6174,
20.7915

 1.4574, 0.0000,
0.0000

 102.1451, 72.5614,
31.5968

 0.2966, 0.0000,
0.0000


 130.1667, 95.5123,
45.6165


 0.0000, 0.0000,
0.0000


 162.8948,


122.8544, 63.2690


 200.6947,
154.9722, 84.9730


 19.8464, 10.2221,
1.3425


 19.8464, 10.2221,
1.3425

 19.8460, 10.2218,
1.3412

 20.2378, 10.7361,
2.3022

 20.9571, 11.7167,
3.9541

 22.0989, 13.3270,
6.4103

 23.7151, 15.6489,
9.7560

 25.8503, 18.7522,
14.0658

■ 28.5438, 22.6981,
19.4060

■ 31.8311, 27.5420,
25.8375

■ 35.7448, 33.3344,
33.4159

■ 40.3152, 40.1221,
42.1936

Harmonies

Analogous

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



23.0641, 10.2221, 8.0571



19.8464, 10.2221, 1.3425



14.0795, 10.2221, 0.0000

Triad

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



19.8464, 10.2221, 1.3425



3.1964, 10.2221, 3.3616



10.9555, 10.2221, 68.7687

Complementary

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



19.8464, 10.2221, 1.3425



24.3999, 37.1845, 43.9397

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.



6.3621, 10.2221, 62.1555



19.8464, 10.2221, 1.3425



2.8703, 10.2221, 14.8993

Square

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



19.8464, 10.2221, 1.3425



4.9305, 10.2221, 0.2154



3.7979, 10.2221, 38.0101



16.8883, 10.2221, 52.0300

Rectangle

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



19.8464, 10.2221, 1.3425



10.2432, 10.2221, 0.0000



3.7979, 10.2221, 38.0101



9.2068, 10.2221, 69.3374

Sweetspot

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



19.8466, 10.2228, 1.3426



57.3641, 49.4273, 46.1780



24.9433, 11.8599, 46.3214



11.8053, 9.8276, 8.8600



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



19.8466, 10.2228, 1.3426



35.9442, 18.5171, 2.2603



22.3993, 15.4546, 1.8035



9.0315, 9.0230, 9.5135



13.6886, 7.0492, 0.9808



0.4919, 0.2522, 0.0839

Inverse Universe

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



19.8466, 10.2228, 1.3426



35.9442, 18.5171, 2.2603



13.9462, 14.0491, 47.3236



9.0315, 9.0230, 9.5135



13.6886, 7.0492, 0.9808



0.4919, 0.2522, 0.0839

Previews

White Background



This preview shows how the XYZ color 19.8464, 10.2221, 1.3425 looks on a white 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

Black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8464, 10.2221, 1.3425

Background



This preview shows how black text looks on a background with the XYZ color 19.8464, 10.2221, 1.3425.



This preview shows how white text looks on a background with the XYZ color 19.8464, 10.2221,

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

19.8464, 10.2221, 1.3425

Protanopia

9.8576, 10.8655, 2.8060

Deuteranopia

10.8258, 10.7614, 1.5066



Tritanopia

19.7289, 10.4682, 0.9807

Trichromacy



Original Color

19.8464, 10.2221, 1.3425

Protanomaly

11.4017, 8.1804, 1.8422

Deuteranomaly

12.4261, 8.5020, 1.1297

Tritanomaly

19.6755, 10.3176, 1.0981

Monochromacy



Original Color

19.8464, 10.2221, 1.3425

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.6246, 4.3054, 2.5797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8464, 10.2221, 1.3425 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(184, 0, 14)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 14)  
}
```

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(184, 0, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 14) }
```

Border

The CSS property to change the border of an element to XYZ 19.8464, 10.2221, 1.3425 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(184, 0, 14) }
```


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

```
.border{ border-color:rgb(184, 0, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 0, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 14);  
box-shadow:4px 4px 4px 4px rgb(184, 0, 14)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.8464, 10.2221, 1.3425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 14) }
```

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

```
.background{ background-color: rgb(184, 0,  
14) }
```

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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