

Converting Colors

XYZ(22.6705, 13.8720, 2.4333)

Have a look what the booklet for
XYZ(22.6705, 13.8720, 2.4333)
contains.

XYZ(22.6358, 13.8197, 2.4517)	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(22.6358, 13.8197,
2.4517)**

Conversions

Conversions Part 1

Format	Color
Hex	BD391A
RGB	189, 57, 26
RGB Percent	74%, 22%, 10%
CMY	0.2588, 0.7764, 0.8980
CMYK	0.00, 0.70, 0.86, 0.26
HSL	11°, 76%, 42%
HSV	11°, 86%, 74%
XYZ	22.6358, 13.8197, 2.4517
YIQ	92.9340, 88.6230, 18.3430

Conversions

Conversions Part 2

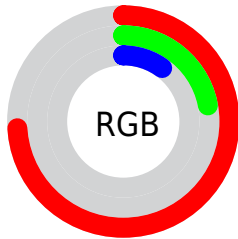
Format	Color
R_{YB}	189, 64, 26
Decimal	12400922
CIE _{Lab}	43.97, 51.42, 46.93
CIE _{LCh}	44, 69.613, 42.384
Yxy	13.8197, 0.5818, 0.3552
Android (android.graphics.Color)	4290591002 (0xFFBD391A)
YUV	92.9340, -32.9985, 84.2499
Hunter-Lab	37.1749, 43.6328, 22.1122

Details

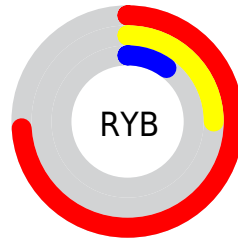
The XYZ color **22.6358, 13.8197, 2.4517** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **21.8364, 28.3440, 52.4636**, and the grayscale version is **10.4501, 10.9943, 11.9728**.

A 20% lighter version of the original color is **47.1751, 32.7782, 10.3190**, and **8.7524, 4.5120, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **21.8425, 12.4694, 1.4595**, and if you desaturate by 10%, it is **23.7955, 15.6829, 4.2456**.

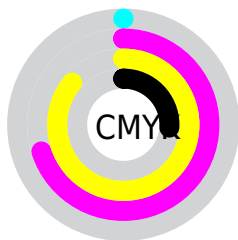
Distribution



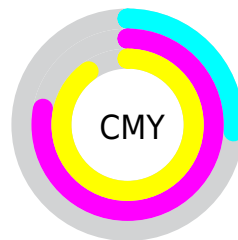
- Red (74%)
- Green (22%)
- Blue (10%)



- Red (74%)
- Yellow (25%)
- Blue (10%)



- Cyan (0%)
- Magenta (70%)
- Yellow (86%)
- Black (26%)



- Cyan (26%)
- Magenta (78%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6358, 13.8197, 2.4517 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 22.6358, 13.8197, 2.4517 by changing the saturation by 10% instead.

■ 22.6358, 13.8197,
2.4517

■ 22.6358, 13.8197,
2.4517

258.4192,
216.1063, 129.0377

■ 14.4440, 7.9954,
0.8144

■ 47.2657, 32.7688,
10.2425

■ 8.5139, 4.0920,
0.0000

■ 64.4345, 46.6623,
17.2408

■ 4.4801, 1.7252,
0.0000

■ 85.3264, 64.0144,
26.8656

■ 1.9771, 0.4399,
0.0000

■ 110.3067, 85.2093,
39.5356


■ 0.6211, 0.0000,
0.0000


■ 139.7408,
110.6316, 55.6692


■ 0.0000, 0.0000,
0.0000


■ 173.9940,


140.6656, 75.6851


 213.4317,
175.6957, 100.0018


 22.6358, 13.8197,
2.4517


 22.6358, 13.8197,
2.4517


 21.8425, 12.4694,
1.4595


 23.7955, 15.6829,
4.2456

 21.6155, 12.0778,
1.1920

 25.3643, 18.1036,
6.9783

 27.3784, 21.1238,
10.7575

 29.8698, 24.7806,
15.6756

 32.8672, 29.1080,
21.8151

■ 36.3971, 34.1376,
29.2506

■ 40.4841, 39.8989,
38.0509

■ 45.1512, 46.4198,
48.2798

■ 50.4201, 53.7266,
59.9971

Harmonies

Analogous

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



26.4650, 13.8197, 9.4253



22.6358, 13.8197, 2.4517



16.6155, 13.8197, 0.6619

Triad

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



22.6358, 13.8197, 2.4517



5.3951, 13.8197, 7.5966



15.5450, 13.8197, 68.5278

Complementary

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



22.6358, 13.8197, 2.4517



21.8364, 28.3440, 52.4636

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.



10.1784, 13.8197, 66.5740



22.6358, 13.8197, 2.4517



5.2577, 13.8197, 22.5514

Square

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



22.6358, 13.8197, 2.4517



7.2019, 13.8197, 1.9119



6.7528, 13.8197, 46.2371



21.6655, 13.8197, 50.5082

Rectangle

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



22.6358, 13.8197, 2.4517



12.6987, 13.8197, 0.4379



6.7528, 13.8197, 46.2371



13.5816, 13.8197, 70.4155

Sweetspot

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



22.6361, 13.8205, 2.4519



65.0702, 60.9742, 52.1375



27.6235, 14.0648, 34.1125



13.5000, 12.4121, 10.1657



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.6361, 13.8205, 2.4519



38.5859, 21.3754, 2.0922



30.1727, 28.8937, 4.9641



9.6731, 9.8223, 9.9627



14.5865, 8.2117, 0.8162



0.6163, 0.4115, 0.0469

Inverse Universe

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



21.8364, 28.3440, 52.4636



36.6973, 47.0732, 93.3781



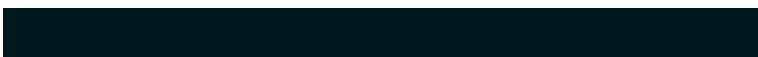
12.3085, 9.2882, 49.2876



9.6501, 10.4926, 12.1889



13.9023, 17.9163, 35.1184



0.5850, 0.7827, 1.3891

Previews

White Background



This preview shows how the XYZ color 22.6358, 13.8197, 2.4517 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 22.6358, 13.8197, 2.4517

Background



This preview shows how black text looks on a background with the XYZ color 22.6358, 13.8197, 2.4517.



This preview shows how white text looks on a background with the XYZ color 22.6358, 13.8197,

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

22.6358, 13.8197, 2.4517

Protanopia

12.7375, 14.0250, 3.8695

Deuteranopia

14.1347, 13.9102, 1.9400



Tritanopia

23.2682, 13.8710, 5.1924

Trichromacy



Original Color

22.6358, 13.8197, 2.4517

Protanomaly

15.1061, 12.9346, 3.2138

Deuteranomaly

16.3565, 13.1327, 1.9312

Tritanomaly

23.0750, 13.8690, 3.9434

Monochromacy



Original Color

22.6358, 13.8197, 2.4517

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.8449, 10.7562, 7.0294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6358, 13.8197, 2.4517 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(189, 57, 26)` looks like.

```
.text, #text, p{  
    color:rgb(189, 57, 26)  
}
```

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(189, 57, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 57, 26) }
```

Border

The CSS property to change the border of an element to XYZ 22.6358, 13.8197, 2.4517 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(189, 57, 26) }
```


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

```
.border{ border-color:rgb(189, 57, 26) }
```

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

Here you see how a box with a 4 pixel rgb(189, 57, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 57, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 57, 26);  
box-shadow:4px 4px 4px 4px rgb(189, 57,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6358, 13.8197, 2.4517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 57, 26) }
```

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

```
.background{ background-color: rgb(189, 57,  
26) }
```

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