

Converting Colors

XYZ(28.1779, 22.3391, 3.5559)

Have a look what the booklet for
XYZ(28.1779, 22.3391, 3.5559)
contains.

XYZ(28.1580, 22.3053, 3.5307)	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(28.1580, 22.3053,
3.5307)**

Conversions

Conversions Part 1

Format	Color
Hex	C46B15
RGB	196, 107, 21
RGB Percent	77%, 42%, 8%
CMY	0.2314, 0.5804, 0.9176
CMYK	0.00, 0.45, 0.89, 0.23
HSL	29°, 81%, 43%
HSV	29°, 89%, 77%
XYZ	28.1580, 22.3053, 3.5307
YIQ	123.8070, 80.6500, -7.8780

Conversions

Conversions Part 2

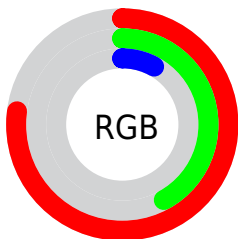
Format	Color
RYB	196, 190, 21
Decimal	12872469
CIELab	54.35, 30.09, 57.52
CIElCh	54, 64.909, 62.385
Yxy	22.3053, 0.5215, 0.4131
Android (android.graphics.Color)	4291062549 (0xFFC46B15)
YUV	123.8070, -50.6839, 63.3133
Hunter-Lab	47.2285, 23.7733, 28.6275

Details

The XYZ color **28.1580, 22.3053, 3.5307** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **15.8486, 15.2960, 54.3413**, and the grayscale version is **19.2392, 20.2412, 22.0426**.

A 20% lighter version of the original color is **54.9426, 46.5781, 12.9322**, and **11.6664, 8.2604, 0.9795** is the 20% darker color. If you saturate the color by 10%, you get **27.0507, 20.2953, 2.5320**, and if you desaturate by 10%, it is **29.5163, 24.6094, 5.2561**.

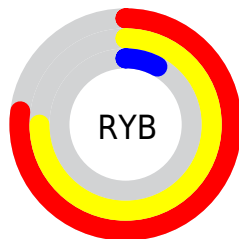
Distribution



Red (77%)

Green (42%)

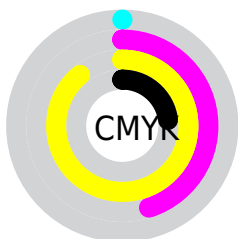
Blue (8%)



Red (77%)

Yellow (75%)

Blue (8%)

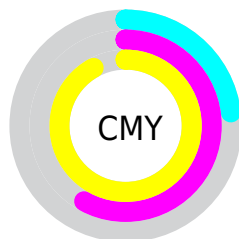


Cyan (0%)

Magenta (45%)

Yellow (89%)

Black (23%)



Cyan (23%)


Magenta (58%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1580, 22.3053, 3.5307 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 28.1580, 22.3053, 3.5307 by changing the saturation by 10% instead.


 28.1580, 22.3053,
3.5307


 28.1580, 22.3053,
3.5307


285.2875,
264.1365, 142.8568


 18.5859, 14.0814,
1.3716


 56.1435, 47.2501,
12.9121


 11.4736, 8.1773,
0.1194


 75.2875, 64.7397,
20.9714


 6.4560, 4.2086,
0.0000


 98.3529, 86.0868,
31.8346

 3.1676, 1.7909,
0.0000

 125.7050,
111.6756, 45.9202

 1.2430, 0.4815,
0.0000

 157.7092,
141.8906, 63.6466

 0.1399, 0.0000,
0.0000

 194.7307,

 0.0000, 0.0000,

177.1161, 85.4325

0.0000

237.1351,
217.7366, 111.6964

28.1580, 22.3053,
3.5307

28.1580, 22.3053,
3.5307

27.0507, 20.2953,
2.5320

29.5163, 24.6094,
5.2561

26.9774, 20.1609,
2.4696

31.1675, 27.2276,
7.9159

33.1381, 30.1772,
11.6295

35.4506, 33.4731,
16.4981

38.1252, 37.1286,
22.6108

■ 41.1800, 41.1563,
30.0477

■ 44.6321, 45.5680,
38.8825

■ 48.4972, 50.3749,
49.1829

■ 52.7902, 55.5876,
61.0127

Harmonies

Analogous

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



34.9010, 22.3053, 8.8168



28.1580, 22.3053, 3.5307



20.6389, 22.3053, 2.4469

Triad

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



28.1580, 22.3053, 3.5307



10.2997, 22.3053, 25.9459



29.3606, 22.3053, 74.3346

Complementary

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



28.1580, 22.3053, 3.5307



15.8486, 15.2960, 54.3413

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.



21.7722, 22.3053, 87.7861



28.1580, 22.3053, 3.5307



11.6566, 22.3053, 51.7286

Square

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



28.1580, 22.3053, 3.5307



11.2804, 22.3053, 10.3259



15.4953, 22.3053, 77.8084



35.6970, 22.3053, 47.2136

Rectangle

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



28.1580, 22.3053, 3.5307



16.4268, 22.3053, 3.1311



15.4953, 22.3053, 77.8084



26.8196, 22.3053, 81.1215

Sweetspot

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



28.1585, 22.3065, 3.5311



75.7086, 75.9910, 57.2155



25.9253, 13.4290, 16.3855



15.7669, 15.6974, 11.1516



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.1585, 22.3065, 3.5311



48.6144, 36.0087, 4.3881



41.9884, 49.9663, 8.1411



10.4727, 10.8769, 10.6094



17.4201, 13.1259, 1.6154



0.8217, 0.7051, 0.0928

Inverse Universe

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



15.8486, 15.2960, 54.3413



25.9900, 23.0999, 97.6967



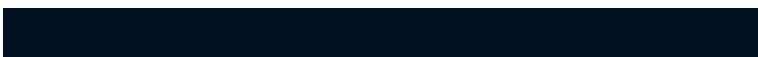
10.5980, 4.7949, 52.5911



9.9422, 10.5758, 12.8021



9.3967, 8.5499, 34.7117



0.4749, 0.5072, 1.5227

Previews

White Background



This preview shows how the XYZ color 28.1580, 22.3053, 3.5307 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 28.1580, 22.3053, 3.5307 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 28.1580, 22.3053, 3.5307

Background



This preview shows how black text looks on a background with the XYZ color 28.1580, 22.3053, 3.5307.



This preview shows how white text looks on a background with the XYZ color 28.1580, 22.3053,

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

28.1580, 22.3053, 3.5307

Protanopia

20.3468, 22.5148, 4.3103

Deuteranopia

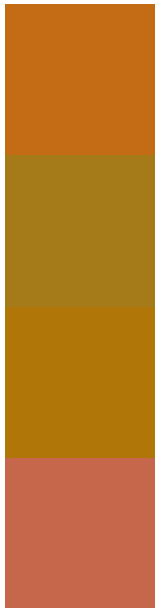
22.7247, 22.4146, 3.1287



Tritanopia

30.7642, 22.3180, 16.5963

Trichromacy



Original Color

28.1580, 22.3053, 3.5307

Protanomaly

22.6521, 21.9886, 3.9700

Deuteranomaly

24.4268, 22.2045, 3.2282

Tritanomaly

29.4435, 22.2281, 9.5761

Monochromacy



Original Color

28.1580, 22.3053, 3.5307

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.7764, 20.1290, 11.8071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1580, 22.3053, 3.5307 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(196, 107, 21)` looks like.

```
.text, #text, p{  
    color:rgb(196, 107, 21)  
}
```

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(196, 107, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 107, 21) }
```

Border

The CSS property to change the border of an element to XYZ 28.1580, 22.3053, 3.5307 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(196, 107, 21) }
```


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

```
.border{ border-color:rgb(196, 107, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 107, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 107, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 107, 21);  
box-shadow:4px 4px 4px 4px rgb(196, 107,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1580, 22.3053, 3.5307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 107, 21) }
```

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

```
.background{ background-color: rgb(196,  
107, 21) }
```

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