

Converting Colors

XYZ(22.4946, 23.2750, 3.3069)

Have a look what the booklet for
XYZ(22.4946, 23.2750, 3.3069)
contains.

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Color

**XYZ(22.5482, 23.2776,
3.3046)**

Conversions

Conversions Part 1

Format	Color
Hex	A18100
RGB	161, 129, 0
RGB Percent	63%, 51%, 0%
CMY	0.3686, 0.4941, 1.0000
CMYK	0.00, 0.20, 1.00, 0.37
HSL	48°, 100%, 32%
HSV	48°, 100%, 63%
XYZ	22.5482, 23.2776, 3.3046
YIQ	123.8620, 60.4810, -33.3350

Conversions

Conversions Part 2

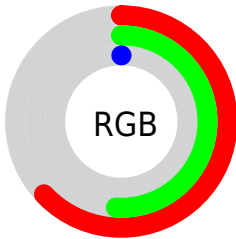
Format	Color
RYB	40, 161, 0
Decimal	10584320
CIELab	55.36, 1.95, 60.64
CIELCh	55, 60.675, 88.158
Yxy	23.2776, 0.4589, 0.4738
Android (android.graphics.Color)	4288774400 (0xFFA18100)
YUV	123.8620, -61.0640, 32.5700
Hunter-Lab	48.2469, -1.0099, 29.7118

Details

The XYZ color **22.5482, 23.2776, 3.3046** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **6.9497, 3.6065, 34.0477**, and the grayscale version is **19.2959, 20.3008, 22.1076**.

A 20% lighter version of the original color is **47.0825, 48.6807, 12.3837**, and **8.6944, 8.7406, 1.2289** is the 20% darker color. If you saturate the color by 10%, you get **22.5484, 23.2783, 3.3047**, and if you desaturate by 10%, it is **23.0711, 24.1727, 3.9443**.

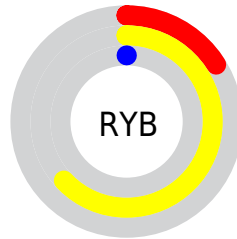
Distribution



Red (63%)

Green (51%)

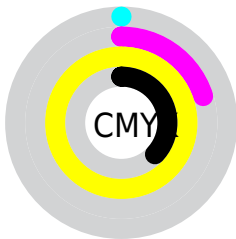
Blue (0%)



Red (16%)

Yellow (63%)

Blue (0%)

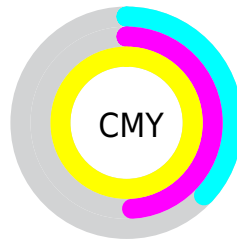


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (37%)



Cyan (37%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5482, 23.2776, 3.3046 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 22.5482, 23.2776, 3.3046 by changing the saturation by 10% instead.

■ 22.5482, 23.2776,
3.3046

■ 22.5482, 23.2776,
3.3046

257.9748,
269.1476, 140.1503

■ 14.3791, 14.7986,
1.2522

■ 47.1225, 48.8487,
12.3712

■ 8.4683, 8.6782,
0.0221

■ 64.2585, 66.7097,
20.2225

■ 4.4503, 4.5319,
0.0000

■ 85.1141, 88.4668,
30.8439

■ 1.9599, 1.9753,
0.0000

■ 110.0548,
114.5043, 44.6539


■ 0.6113, 0.5931,
0.0000


■ 139.4458,
145.2068, 62.0709


■ 0.0000, 0.0000,
0.0000


■ 173.6526,


180.9586, 83.5137


 213.0405,
222.1441, 109.4006


 22.5482, 23.2776,
3.3046


 22.5482, 23.2776,
3.3046


 22.5484, 23.2783,
3.3047

 23.0711, 24.1727,
3.9443

 23.6818, 25.1233,
4.9825

 24.4130, 26.1436,
6.5893

 25.2786, 27.2393,
8.8370

 26.2905, 28.4154,
11.7874

■ 27.4590, 29.6762,
15.4946

■ 28.7935, 31.0256,
20.0078

■ 30.3027, 32.4672,
25.3718

■ 31.9946, 34.0045,
31.6282

Harmonies

Analogous

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



29.7765, 23.2776, 4.9719



22.5482, 23.2776, 3.3046



16.5031, 23.2776, 4.5759

Triad

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



22.5482, 23.2776, 3.3046



12.4720, 23.2776, 47.4795



35.2160, 23.2776, 50.7232

Complementary

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



22.5482, 23.2776, 3.3046



6.9497, 3.6065, 34.0477

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.



28.8967, 23.2776, 74.8655



22.5482, 23.2776, 3.3046



15.9107, 23.2776, 72.4114

Square

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



22.5482, 23.2776, 3.3046



11.4485, 23.2776, 24.1590



21.7065, 23.2776, 84.3356



37.9615, 23.2776, 26.5699

Rectangle

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



22.5482, 23.2776, 3.3046



13.7334, 23.2776, 7.6575



21.7065, 23.2776, 84.3356



33.3831, 23.2776, 59.4925

Sweetspot

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



22.5487, 23.2787, 3.3051



51.4230, 55.4229, 35.3327



14.9614, 7.6826, 2.0756



11.0646, 11.9426, 7.0183



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.



22.5487, 23.2787, 3.3051



40.2414, 41.4071, 5.8714



19.5166, 28.9805, 4.5654



7.5293, 7.9970, 7.5268



18.0378, 18.6495, 2.6490



0.4078, 0.4494, 0.0653

Inverse Universe

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



6.9497, 3.6065, 34.0477



12.3333, 6.2330, 60.9396



7.6665, 3.2092, 33.9333



6.8092, 7.0774, 8.9103



5.5745, 2.9283, 27.2012



0.1465, 0.1202, 0.5813

Previews

White Background



This preview shows how the XYZ color 22.5482, 23.2776, 3.3046 looks on a white background.

Color Contrast Check

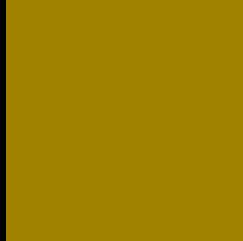
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5482, 23.2776, 3.3046 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 22.5482, 23.2776, 3.3046

Background



This preview shows how black text looks on a background with the XYZ color 22.5482, 23.2776, 3.3046.



This preview shows how white text looks on a background with the XYZ color 22.5482, 23.2776,

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

22.5482, 23.2776, 3.3046

Protanopia

21.0036, 23.2744, 3.5864

Deuteranopia

23.6697, 23.2707, 3.5608



Tritanopia

26.8274, 23.3428, 23.8605

Trichromacy



Original Color

22.5482, 23.2776, 3.3046

Protanomaly

21.5996, 23.3813, 3.4895

Deuteranomaly

23.1448, 23.1934, 3.4579

Tritanomaly

24.1230, 22.7744, 11.1071

Monochromacy



Original Color

22.5482, 23.2776, 3.3046

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.1887, 20.8046, 10.4015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5482, 23.2776, 3.3046 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, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 129, 0)  
}
```

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, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 129, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.5482, 23.2776, 3.3046 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, 129, 0) }
```


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

```
.border{ border-color:rgb(161, 129, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 129, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 129,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5482, 23.2776, 3.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 129, 0) }
```

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

```
.background{ background-color: rgb(161,  
129, 0) }
```

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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