

Converting Colors

XYZ(23.1064, 22.7616, 5.6878)

Have a look what the booklet for
XYZ(23.1064, 22.7616, 5.6878)
contains.

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Color

**XYZ(23.1171, 22.7492,
5.6553)**

Conversions

Conversions Part 1

Format	Color
Hex	A47D2D
RGB	164, 125, 45
RGB Percent	64%, 49%, 18%
CMY	0.3569, 0.5098, 0.8235
CMYK	0.00, 0.24, 0.73, 0.36
HSL	40°, 57%, 41%
HSV	40°, 73%, 64%
XYZ	23.1171, 22.7492, 5.6553
YIQ	127.5410, 48.9240, -16.6120

Conversions

Conversions Part 2

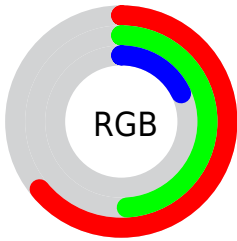
Format	Color
R_{YB}	103, 164, 45
Decimal	10779949
CIE _{Lab}	54.81, 6.88, 47.47
CIE _{LCh}	55, 47.966, 81.757
Y _{xy}	22.7492, 0.4487, 0.4415
Android (android.graphics.Color)	4288970029 (0xFFA47D2D)
YUV	127.5410, -40.6927, 31.9745
Hunter-Lab	47.6961, 3.0462, 26.3573

Details

The XYZ color **23.1171, 22.7492, 5.6553** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.9533, 9.5786, 36.3932**, and the grayscale version is **20.4839, 21.5506, 23.4686**.

A 20% lighter version of the original color is **47.9577, 47.8184, 17.7686**, and **8.7688, 8.3570, 1.1509** is the 20% darker color. If you saturate the color by 10%, you get **22.1987, 21.3234, 4.0827**, and if you desaturate by 10%, it is **24.1960, 24.2999, 7.8871**.

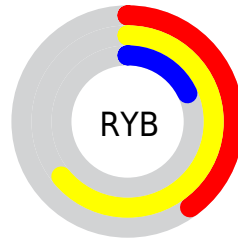
Distribution



Red (64%)

Green (49%)

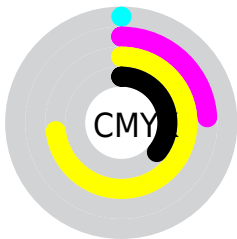
Blue (18%)



Red (40%)

Yellow (64%)

Blue (18%)

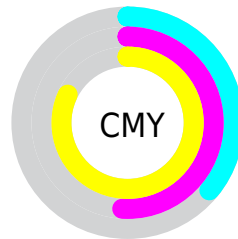


Cyan (0%)

Magenta (24%)

Yellow (73%)

Black (36%)



Cyan (36%)

Magenta (51%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1171, 22.7492, 5.6553 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 23.1171, 22.7492, 5.6553 by changing the saturation by 10% instead.

■ 23.1171, 22.7492,
5.6553

■ 23.1171, 22.7492,
5.6553

260.8500,
266.4342, 165.1519

■ 14.8012, 14.4084,
2.5713

■ 48.0508, 47.9812,
17.6763

■ 8.7654, 8.4053,
0.8776

■ 65.3992, 65.6412,
27.4503

■ 4.6443, 4.3554,
0.0000

■ 86.4892, 87.1764,
40.2914

■ 2.0727, 1.8743,
0.0000

■ 111.6862,
112.9712, 56.6181

■ 0.6743, 0.5328,
0.0000

■ 141.3553,
143.4100, 76.8490

■ 0.0000, 0.0000,
0.0000

■ 175.8621,

178.8771, 101.4025

215.5719,
219.7571, 130.6973

■ 23.1171, 22.7492,
5.6553

■ 23.1171, 22.7492,
5.6553

■ 22.1987, 21.3234,
4.0827

■ 24.1960, 24.2999,
7.8871

■ 21.4236, 20.0120,
3.0879

■ 25.4472, 25.9785,
10.8439

■ 20.9134, 19.0999,
2.5844

■ 26.8829, 27.7915,
14.5849

■ 28.5135, 29.7441,
19.1629

■ 30.3487, 31.8410,
24.6260

■ 32.3975, 34.0864,
31.0186

■ 34.6682, 36.4847,
38.3823

■ 37.1686, 39.0397,
46.7558

■ 39.9062, 41.7552,
56.1761

Harmonies

Analogous

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



28.5660, 22.7492, 8.1884



23.1171, 22.7492, 5.6553



18.0597, 22.7492, 6.3458

Triad

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



23.1171, 22.7492, 5.6553



13.4695, 22.7492, 37.2438



30.6573, 22.7492, 47.5919

Complementary

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



23.1171, 22.7492, 5.6553



10.9533, 9.5786, 36.3932

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.



25.6253, 22.7492, 62.9813



23.1171, 22.7492, 5.6553



15.9064, 22.7492, 55.5013

Square

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



23.1171, 22.7492, 5.6553



13.0217, 22.7492, 20.8157



20.1936, 22.7492, 66.3521



33.3612, 22.7492, 29.1958

Rectangle

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



23.1171, 22.7492, 5.6553



15.5194, 22.7492, 8.7509



20.1936, 22.7492, 66.3521



29.1464, 22.7492, 53.5541

Sweetspot

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



23.1176, 22.7503, 5.6557



55.1397, 57.8545, 44.8569



17.8748, 10.4201, 9.5946



11.8613, 12.4309, 9.2199



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.1176, 22.7503, 5.6557



39.4106, 37.2351, 6.1989



25.2798, 32.6845, 7.4593



7.4529, 7.8441, 7.5014



16.0803, 14.7345, 1.9965



0.3781, 0.3901, 0.0554

Inverse Universe

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



10.9533, 9.5786, 36.3932



16.2031, 12.2404, 65.2610



9.8084, 5.6755, 35.7002



6.8812, 7.2214, 8.9343



6.1798, 4.1390, 27.4030



0.1714, 0.1702, 0.5897

Previews

White Background



This preview shows how the XYZ color 23.1171, 22.7492, 5.6553 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 23.1171, 22.7492, 5.6553 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 23.1171, 22.7492, 5.6553

Background



This preview shows how black text looks on a background with the XYZ color 23.1171, 22.7492, 5.6553.



This preview shows how white text looks on a background with the XYZ color 23.1171, 22.7492,

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

23.1171, 22.7492, 5.6553

Protanopia

20.7970, 22.9108, 6.0154

Deuteranopia

23.1171, 22.7492, 5.6553



Tritanopia

26.7047, 22.7750, 22.7272

Trichromacy



Original Color

23.1171, 22.7492, 5.6553

Protanomaly

21.4803, 22.6701, 5.8284

Deuteranomaly

23.1171, 22.7492, 5.6553

Tritanomaly

25.0226, 22.6208, 14.3567

Monochromacy



Original Color

23.1171, 22.7492, 5.6553

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.7785, 21.7233, 14.6531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1171, 22.7492, 5.6553 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(164, 125, 45)` looks like.

```
.text, #text, p{  
    color:rgb(164, 125, 45)  
}
```

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(164, 125, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 125, 45) }
```

Border

The CSS property to change the border of an element to XYZ 23.1171, 22.7492, 5.6553 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(164, 125, 45) }
```


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

```
.border{ border-color:rgb(164, 125, 45) }
```

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

Here you see how a box with a 4 pixel rgb(164, 125, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 125, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 125, 45);  
box-shadow:4px 4px 4px 4px rgb(164, 125,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1171, 22.7492, 5.6553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 125, 45) }
```

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

```
.background{ background-color: rgb(164,  
125, 45) }
```

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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