

Converting Colors

XYZ(23.1048, 25.1602, 4.9770)

Have a look what the booklet for
XYZ(23.1048, 25.1602, 4.9770)
contains.

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Color

**XYZ(23.1110, 25.1637,
5.0055)**

Conversions

Conversions Part 1

Format	Color
Hex	9D8920
RGB	157, 137, 32
RGB Percent	62%, 54%, 13%
CMY	0.3843, 0.4627, 0.8745
CMYK	0.00, 0.13, 0.80, 0.38
HSL	50°, 66%, 37%
HSV	50°, 80%, 62%
XYZ	23.1110, 25.1637, 5.0055
YIQ	131.0100, 45.6250, -28.4150

Conversions

Conversions Part 2

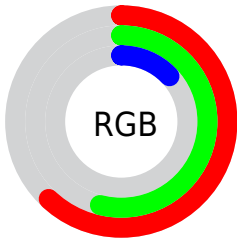
Format	Color
RYB	56, 157, 32
Decimal	10324256
CIELab	57.23, -3.59, 54.62
CIElCh	57, 54.738, 93.758
Yxy	25.1637, 0.4338, 0.4723
Android (android.graphics.Color)	4288514336 (0xFF9D8920)
YUV	131.0100, -48.8119, 22.7932
Hunter-Lab	50.1634, -5.5485, 29.1982

Details

The XYZ color **23.1110, 25.1637, 5.0055** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.9095, 5.1974, 32.4844**, and the grayscale version is **21.7351, 22.8671, 24.9022**.

A 20% lighter version of the original color is **48.1175, 51.9459, 16.2946**, and **8.9692, 9.8042, 1.4197** is the 20% darker color. If you saturate the color by 10%, you get **22.5937, 24.3931, 4.0197**, and if you desaturate by 10%, it is **23.7394, 25.9940, 6.5305**.

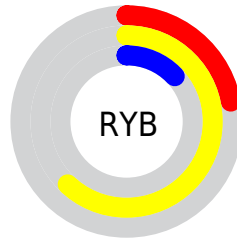
Distribution



Red (62%)

Green (54%)

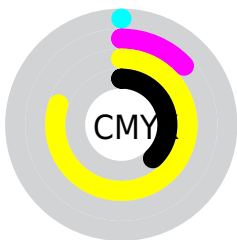
Blue (13%)



Red (22%)

Yellow (62%)

Blue (13%)

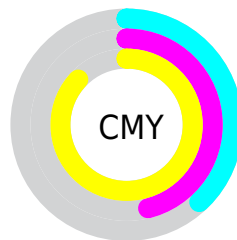


Cyan (0%)

Magenta (13%)

Yellow (80%)

Black (38%)



Cyan (38%)

Magenta (46%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1110, 25.1637, 5.0055 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 23.1110, 25.1637, 5.0055 by changing the saturation by 10% instead.

■ 23.1110, 25.1637,
5.0055

■ 23.1110, 25.1637,
5.0055

260.8193,
278.6522, 158.8201

■ 14.7966, 16.1991,
2.1917

■ 48.0408, 51.9227,
16.2694

■ 8.7622, 9.6651,
0.6696

■ 65.3870, 70.4858,
25.5565

■ 4.6422, 5.1775,
0.0000

■ 86.4745, 93.0172,
37.8385

■ 2.0715, 2.3518,
0.0000

■ 111.6687,
119.9013, 53.5338

■ 0.6737, 0.8009,
0.0000

■ 141.3349,
151.5224, 73.0612

■ 0.0000, 0.0000,
0.0000

■ 175.8385,

188.2650, 96.8389

215.5449,
230.5135, 125.2858

■ 23.1110, 25.1637,
5.0055

■ 23.1110, 25.1637,
5.0055

■ 22.5937, 24.3931,
4.0197

■ 23.7394, 25.9940,
6.5305

■ 22.1566, 23.6668,
3.4177

■ 24.4901, 26.8856,
8.6607

■ 22.1402, 23.6393,
3.3959

■ 25.3747, 27.8442,
11.4541

■ 26.4027, 28.8738,
14.9614

■ 27.5831, 29.9779,
19.2287

■ 28.9237, 31.1599,
24.2977

■ 30.4321, 32.4228,
30.2076

■ 32.1153, 33.7695,
36.9948

■ 33.9797, 35.2027,
44.6933

Harmonies

Analogous

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



29.8513, 25.1637, 6.2548



23.1110, 25.1637, 5.0055



17.6482, 25.1637, 7.1684

Triad

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



23.1110, 25.1637, 5.0055



14.9927, 25.1637, 52.3534



36.9029, 25.1637, 46.3676

Complementary

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



23.1110, 25.1637, 5.0055



7.9095, 5.1974, 32.4844

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.



31.5190, 25.1637, 68.9844



23.1110, 25.1637, 5.0055



18.8270, 25.1637, 73.3982

Square

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



23.1110, 25.1637, 5.0055



13.5263, 25.1637, 29.8017



24.7422, 25.1637, 80.5548



38.6049, 25.1637, 25.1290

Rectangle

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



23.1110, 25.1637, 5.0055



15.2204, 25.1637, 11.2706



24.7422, 25.1637, 80.5548



35.4212, 25.1637, 54.3254

Sweetspot

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



23.1116, 25.1649, 5.0060



50.5994, 54.7610, 38.9310



15.0600, 8.4568, 4.1871



10.9625, 11.8972, 7.9216



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.1116, 25.1649, 5.0060



39.8273, 42.6167, 6.3611



19.4319, 27.8856, 5.7251



7.0798, 7.5395, 7.0678



18.0044, 19.2443, 2.7656



0.3440, 0.3882, 0.0568

Inverse Universe

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



7.9095, 5.1974, 32.4844



11.7429, 5.8956, 57.6458



9.4010, 4.9103, 32.3504



6.3662, 6.5982, 8.3447



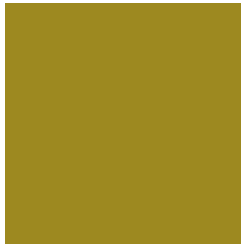
5.2461, 2.5837, 26.1294



0.1149, 0.0885, 0.4742

Previews

White Background



This preview shows how the XYZ color 23.1110, 25.1637, 5.0055 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 23.1110, 25.1637, 5.0055 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 23.1110, 25.1637, 5.0055

Background



This preview shows how black text looks on a background with the XYZ color 23.1110, 25.1637, 5.0055.



This preview shows how white text looks on a background with the XYZ color 23.1110, 25.1637,

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

23.1110, 25.1637, 5.0055

Protanopia

22.8668, 25.2498, 5.0350

Deuteranopia

25.6533, 25.2382, 5.1095



Tritanopia

27.8237, 25.2727, 27.4564

Trichromacy



Original Color

23.1110, 25.1637, 5.0055

Protanomaly

23.0595, 25.3492, 5.0440

Deuteranomaly

24.6126, 25.1060, 5.0621

Tritanomaly

25.2687, 24.8148, 15.2623

Monochromacy



Original Color

23.1110, 25.1637, 5.0055

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.2683, 23.1767, 14.1791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1110, 25.1637, 5.0055 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(157, 137, 32)` looks like.

```
.text, #text, p{  
    color:rgb(157, 137, 32)  
}
```

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(157, 137, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 137, 32) }
```

Border

The CSS property to change the border of an element to XYZ 23.1110, 25.1637, 5.0055 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(157, 137, 32) }
```


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

```
.border{ border-color:rgb(157, 137, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 137, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 137, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 137, 32);  
box-shadow:4px 4px 4px 4px rgb(157, 137,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1110, 25.1637, 5.0055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 137, 32) }
```

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

```
.background{ background-color: rgb(157,  
137, 32) }
```

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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