

Converting Colors

XYZ(23.5610, 27.1645, 4.5737)

Have a look what the booklet for
XYZ(23.5610, 27.1645, 4.5737)
contains.

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Color

**XYZ(23.5610, 27.1645,
4.5737)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9112
RGB	154, 145, 18
RGB Percent	60%, 57%, 7%
CMY	0.3961, 0.4314, 0.9294
CMYK	0.00, 0.06, 0.88, 0.40
HSL	56°, 79%, 34%
HSV	56°, 88%, 60%
XYZ	23.5610, 27.1645, 4.5737
YIQ	133.2130, 46.1310, -37.5890

Conversions

Conversions Part 2

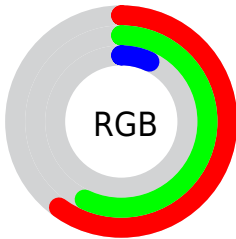
Format	Color
RYB	28, 154, 18
Decimal	10129682
CIELab	59.13, -9.73, 60.00
CIELCh	59, 60.788, 99.210
Yxy	27.1645, 0.4261, 0.4912
Android (android.graphics.Color)	4288319762 (0xFF9A9112)
YUV	133.2130, -56.8000, 18.2302
Hunter-Lab	52.1196, -10.5171, 31.2808

Details

The XYZ color **23.5610, 27.1645, 4.5737** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.4742, 3.2457, 30.8569**, and the grayscale version is **22.5618, 23.7367, 25.8493**.

A 20% lighter version of the original color is **48.9499, 55.3940, 15.3199**, and **9.2378, 10.8371, 1.6049** is the 20% darker color. If you saturate the color by 10%, you get **23.3117, 26.8179, 4.0226**, and if you desaturate by 10%, it is **23.8890, 27.5469, 5.5269**.

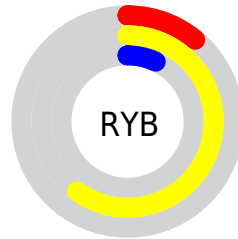
Distribution



Red (60%)

Green (57%)

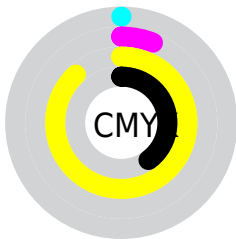
Blue (7%)



Red (11%)

Yellow (60%)

Blue (7%)

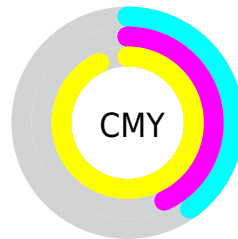


Cyan (0%)

Magenta (6%)

Yellow (88%)

Black (40%)



Cyan (40%)

Magenta (43%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5610, 27.1645, 4.5737 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 23.5610, 27.1645, 4.5737 by changing the saturation by 10% instead.

■ 23.5610, 27.1645,
4.5737

■ 23.5610, 27.1645,
4.5737

263.0753,
288.4527, 154.4033

■ 15.1313, 17.6968,
1.9451

■ 48.7728, 55.1477,
15.3126

■ 8.9985, 10.7325,
0.5212

■ 66.2855, 74.4320,
24.2600

■ 4.7973, 5.8873,
0.0000

■ 87.5566, 97.7574,
36.1508

■ 2.1623, 2.7767,
0.0000

■ 112.9515,
125.5081, 51.4034

■ 0.7228, 1.0163,
0.0000

■ 142.8354,
158.0686, 70.4364

■ 0.0000, 0.0000,
0.0000

■ 177.5738,

195.8232, 93.6683

217.5320,
239.1565, 121.5178

23.5610, 27.1645,
4.5737

23.5610, 27.1645,
4.5737

23.3117, 26.8179,
4.0226

23.8890, 27.5469,
5.5269

23.2713, 26.7600,
3.9387

24.3168, 27.9705,
7.0016

24.8570, 28.4412,
9.0610

25.5197, 28.9632,
11.7588

26.3141, 29.5401,
15.1429

■ 27.2483, 30.1752,
19.2564

■ 28.3298, 30.8715,
24.1389

■ 29.5657, 31.6319,
29.8271

■ 30.9625, 32.4588,
36.3556

Harmonies

Analogous

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



31.3316, 27.1645, 5.2292



23.5610, 27.1645, 4.5737



17.6748, 27.1645, 7.6223

Triad

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



23.5610, 27.1645, 4.5737



16.1119, 27.1645, 64.4850



41.9379, 27.1645, 46.9570

Complementary

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



23.5610, 27.1645, 4.5737



6.4742, 3.2457, 30.8569

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.



36.1450, 27.1645, 74.9987



23.5610, 27.1645, 4.5737



20.9943, 27.1645, 88.0877

Square

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



23.5610, 27.1645, 4.5737



13.9615, 27.1645, 36.7558



28.2169, 27.1645, 92.6662



42.9959, 27.1645, 23.4005

Rectangle

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



23.5610, 27.1645, 4.5737



15.2342, 27.1645, 12.9719



28.2169, 27.1645, 92.6662



40.4326, 27.1645, 56.4250

Sweetspot

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



23.5616, 27.1658, 4.5742



49.8300, 55.0338, 36.4606



13.7414, 7.3823, 1.7420



11.1454, 12.3686, 7.6574



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.



23.5616, 27.1658, 4.5742



42.2186, 48.5000, 7.1363



16.3913, 25.5913, 4.6483



6.6739, 7.1529, 6.6347



18.9701, 21.8226, 3.2124



0.2927, 0.3444, 0.0510

Inverse Universe

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



6.4742, 3.2457, 30.8569



10.7438, 4.5345, 55.8453



9.1046, 4.3411, 30.9296



5.9157, 6.0887, 7.7924



4.8528, 2.1022, 25.0577



0.0802, 0.0467, 0.3772

Previews

White Background



This preview shows how the XYZ color 23.5610, 27.1645, 4.5737 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 23.5610, 27.1645, 4.5737 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 23.5610, 27.1645, 4.5737

Background



This preview shows how black text looks on a background with the XYZ color 23.5610, 27.1645, 4.5737.



This preview shows how white text looks on a background with the XYZ color 23.5610, 27.1645,

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

23.5610, 27.1645, 4.5737

Protanopia

24.6216, 27.2625, 4.4948

Deuteranopia

27.6728, 27.1058, 4.7507



Tritanopia

28.8791, 27.1588, 30.5081

Trichromacy



Original Color

23.5610, 27.1645, 4.5737

Protanomaly

24.1750, 27.2561, 4.5171

Deuteranomaly

26.1819, 27.1850, 4.6779

Tritanomaly

25.9820, 26.8397, 15.6156

Monochromacy



Original Color

23.5610, 27.1645, 4.5737

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.8185, 24.3094, 13.4397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5610, 27.1645, 4.5737 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(154, 145, 18)` looks like.

```
.text, #text, p{  
    color:rgb(154, 145, 18)  
}
```

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(154, 145, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 145, 18) }
```

Border

The CSS property to change the border of an element to XYZ 23.5610, 27.1645, 4.5737 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(154, 145, 18) }
```


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

```
.border{ border-color:rgb(154, 145, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 145, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 145, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 145, 18);  
box-shadow:4px 4px 4px 4px rgb(154, 145,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5610, 27.1645, 4.5737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 145, 18) }
```

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

```
.background{ background-color: rgb(154,  
145, 18) }
```

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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