

Converting Colors

XYZ(18.6450, 11.5046, 9.9395)

Have a look what the booklet for
XYZ(18.6450, 11.5046, 9.9395)
contains.

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Color

**XYZ(18.6109, 11.4996,
10.0428)**

Conversions

Conversions Part 1

Format	Color
Hex	A53856
RGB	165, 56, 86
RGB Percent	65%, 22%, 34%
CMY	0.3529, 0.7804, 0.6627
CMYK	0.00, 0.66, 0.48, 0.35
HSL	343°, 49%, 43%
HSV	343°, 66%, 65%
XYZ	18.6109, 11.4996, 10.0428
YIQ	92.0110, 55.3340, 32.4380

Conversions

Conversions Part 2

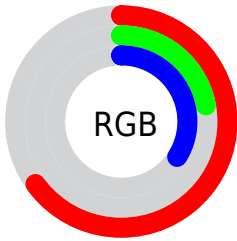
Format	Color
RYB	165, 56, 86
Decimal	10827862
CIELab	40.41, 47.20, 6.89
CIElCh	40, 47.700, 8.310
Yxy	11.4996, 0.4635, 0.2864
Android (android.graphics.Color)	4289017942 (0xFFA53856)
YUV	92.0110, -2.9634, 64.0114
Hunter-Lab	33.9111, 38.6191, 6.1789

Details

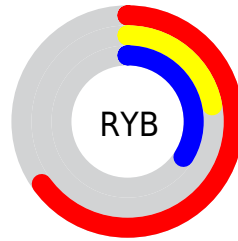
The XYZ color **18.6109, 11.4996, 10.0428** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.4600, 29.5005, 27.5926**, and the grayscale version is **10.1735, 10.7033, 11.6559**.

A 20% lighter version of the original color is **40.6530, 28.5621, 26.6629**, and **6.5846, 3.3482, 2.3971** is the 20% darker color. If you saturate the color by 10%, you get **17.4966, 9.9788, 7.4897**, and if you desaturate by 10%, it is **20.0699, 13.5810, 13.1089**.

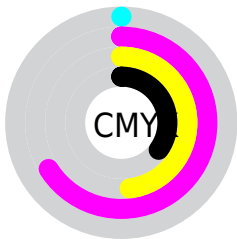
Distribution



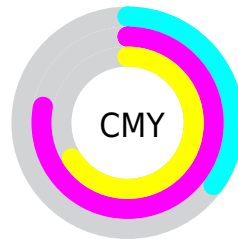
- Red (65%)
- Green (22%)
- Blue (34%)



- Red (65%)
- Yellow (22%)
- Blue (34%)



- Cyan (0%)
- Magenta (66%)
- Yellow (48%)
- Black (35%)





- Cyan (35%)
- Magenta (78%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.6109, 11.4996, 10.0428 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 18.6109, 11.4996, 10.0428 by changing the saturation by 10% instead.


 18.6109, 11.4996,
10.0428


 18.6109, 11.4996,
10.0428


237.2718,
201.0638, 201.4732


 11.4918, 6.4039,
5.3214


 40.5975, 28.5804,
26.4850


 6.4684, 3.0922,
2.3750


 56.1958, 41.3343,
39.0429

 3.1753, 1.1801,
0.7728

 75.3511, 57.4097,
55.0501

 1.2471, 0.0453,
0.0000

 98.4289, 77.1911,
74.9250

 0.1431, 0.0000,
0.0000

 125.7946,
101.0628, 99.0862

 0.0000, 0.0000,
0.0000

 157.8133,

129.4092, 127.9523

194.8506,
162.6147, 161.9418

■ 18.6109, 11.4996,
10.0428

■ 18.6109, 11.4996,
10.0428

■ 17.4966, 9.9788,
7.4897

■ 20.0699, 13.5810,
13.1089

■ 16.6952, 8.9611,
5.4189

■ 21.9000, 16.2693,
16.7148

■ 16.1659, 8.3719,
3.7953

■ 24.1257, 19.6082,
20.8861

■ 15.9984, 8.1919,
3.2617

■ 26.7691, 23.6368,
25.6465

■ 29.8509, 28.3911,
31.0183

■ 33.3901, 33.9046,
37.0225

■ 37.4047, 40.2086,
43.6792

■ 41.9117, 47.3327,
51.0076

■ 46.9272, 55.3051,
59.0260

Harmonies

Analogous

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



18.0632, 11.4996, 20.6389



18.6109, 11.4996, 10.0428



16.7946, 11.4996, 4.2208

Triad

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



18.6109, 11.4996, 10.0428



7.4076, 11.4996, 2.9147



8.7207, 11.4996, 38.6263

Complementary

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



18.6109, 11.4996, 10.0428



19.4600, 29.5005, 27.5926

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.



6.6195, 11.4996, 27.7661



18.6109, 11.4996, 10.0428



5.9761, 11.4996, 6.8718

Square

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



18.6109, 11.4996, 10.0428



10.0264, 11.4996, 1.7072



5.7204, 11.4996, 15.3769



11.8863, 11.4996, 41.0289

Rectangle

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



18.6109, 11.4996, 10.0428



14.6696, 11.4996, 2.4769



5.7204, 11.4996, 15.3769



7.8870, 11.4996, 35.6495

Sweetspot

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



18.6112, 11.5002, 10.0430



50.9837, 47.0134, 51.2684



18.0564, 10.6237, 36.6960



10.8283, 9.7883, 10.6534



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.



18.6112, 11.5002, 10.0430



30.6397, 16.9665, 11.6819



19.0720, 13.9670, 5.4330



7.1501, 7.1165, 7.7771



12.1218, 6.2048, 2.5661



0.2736, 0.1379, 0.1533

Inverse Universe

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



18.6112, 11.5002, 10.0430



30.6397, 16.9665, 11.6819



18.0045, 22.7209, 39.0337



7.1501, 7.1165, 7.7771



12.1218, 6.2048, 2.5661



0.2736, 0.1379, 0.1533

Previews

White Background



This preview shows how the XYZ color 18.6109, 11.4996, 10.0428 looks on a white background.

Color Contrast Check

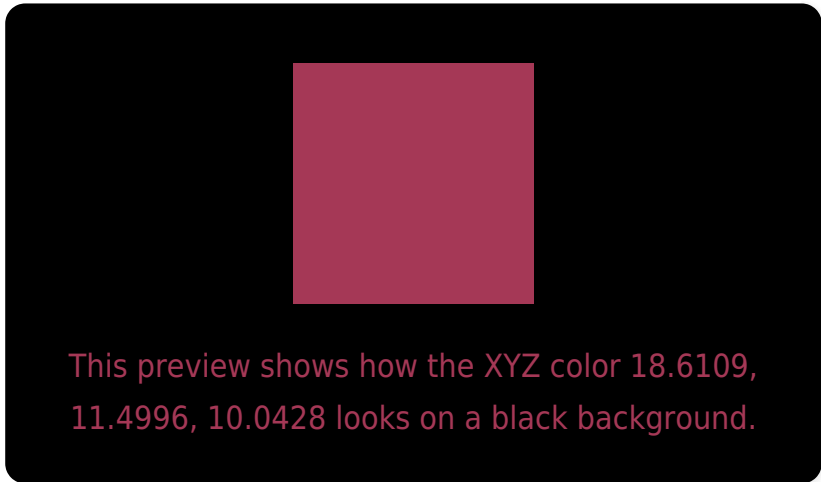
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

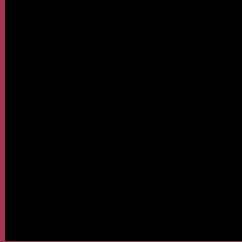
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6109, 11.4996, 10.0428

Background



This preview shows how black text looks on a background with the XYZ color 18.6109, 11.4996, 10.0428.



This preview shows how white text looks on a background with the XYZ color 18.6109, 11.4996,

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

18.6109, 11.4996, 10.0428

Protanopia

11.4151, 11.6468, 15.8338

Deuteranopia

11.8679, 11.6279, 9.4035



Tritanopia

17.8511, 11.4944, 6.1283

Trichromacy



Original Color

18.6109, 11.4996, 10.0428

Protanomaly

12.9884, 10.7980, 13.4563

Deuteranomaly

13.7174, 11.0418, 9.5919

Tritanomaly

18.0435, 11.4883, 7.3974

Monochromacy



Original Color

18.6109, 11.4996, 10.0428

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

12.2492, 10.2521, 11.0061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6109, 11.4996, 10.0428 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(165, 56, 86)` looks like.

```
.text, #text, p{  
    color:rgb(165, 56, 86)  
}
```

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(165, 56, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 56, 86) }
```

Border

The CSS property to change the border of an element to XYZ 18.6109, 11.4996, 10.0428 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(165, 56, 86) }
```


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

```
.border{ border-color:rgb(165, 56, 86) }
```

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

Here you see how a box with a 4 pixel rgb(165, 56, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 56, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 56, 86);  
box-shadow:4px 4px 4px 4px rgb(165, 56,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6109, 11.4996, 10.0428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 56, 86) }
```

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

```
.background{ background-color: rgb(165, 56,  
86) }
```

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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