

Converting Colors

XYZ(2.2386, 1.9074, 8.6685)

Have a look what the booklet for
XYZ(2.2386, 1.9074, 8.6685)
contains.

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Color

XYZ(2.2311, 1.9018, 8.6370)

Conversions

Conversions Part 1

Format	Color
Hex	002454
RGB	0, 36, 84
RGB Percent	0%, 14%, 33%
CMY	1.0000, 0.8588, 0.6706
CMYK	1.00, 0.57, 0.00, 0.67
HSL	214°, 100%, 16%
HSV	214°, 100%, 33%
XYZ	2.2311, 1.9018, 8.6370
YIQ	30.7080, -36.8640, 7.2960

Conversions

Conversions Part 2

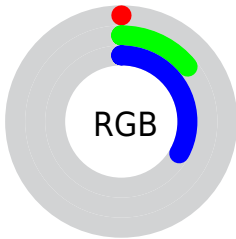
Format	Color
RYB	0, 25, 84
Decimal	9300
CIELab	14.96, 9.70, -32.55
CIELCh	15, 33.964, 286.596
Yxy	1.9018, 0.1747, 0.1489
Android (android.graphics.Color)	4278199380 (0xFF002454)
YUV	30.7080, 26.2730, -26.9309
Hunter-Lab	13.7906, 4.7450, -27.4798

Details

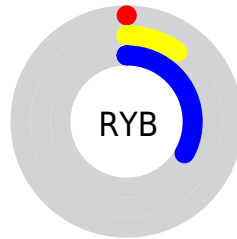
The XYZ color **2.2311, 1.9018, 8.6370** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **4.7136, 3.9995, 0.5238**, and the grayscale version is **1.2667, 1.3327, 1.4513**.

A 20% lighter version of the original color is **9.1583, 8.4827, 23.7089**, and **0.3824, 0.2051, 1.8531** is the 20% darker color. If you saturate the color by 10%, you get **2.2310, 1.9015, 8.6370**, and if you desaturate by 10%, it is **2.4915, 2.2664, 8.6937**.

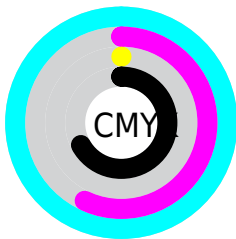
Distribution



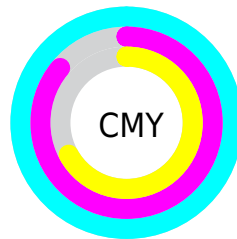
- Red (0%)
- Green (14%)
- Blue (33%)



- Red (0%)
- Yellow (10%)
- Blue (33%)



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)
- Black (67%)



- Cyan (100%)
- Magenta (86%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 2.2311, 1.9018, 8.6370 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 2.2311, 1.9018, 8.6370 by changing the saturation by 10% instead.

■ 2.2311, 1.9018,
8.6370

■ 2.2311, 1.9018,
8.6370

■ 113.9048,
113.3930, 190.7636

■ 0.7591, 0.5495,
4.4116

■ 9.1756, 8.4800,
23.7645

■ 0.0000, 0.0000,
1.8538

■ 15.3815, 14.5154,
35.5038

■ 0.0000, 0.0000,
0.4631

■ 23.8970, 22.8942,
50.5847


■ 0.0000, 0.0000,
0.0000


■ 35.0873, 34.0008,
69.4258


■ 49.3179, 48.2196,
92.4458


■ 66.9541, 65.9350,


120.0630


 88.3613, 87.5313,
152.6961


 2.2311, 1.9018,
8.6370


 2.2311, 1.9018,
8.6370


 2.2310, 1.9015,
8.6370

 2.4915, 2.2664,
8.6937

 2.7894, 2.6804,
8.7579

 3.1641, 3.1651,
8.8317

 3.6229, 3.7251,
8.9156

 4.1714, 4.3644,
9.0101

■ 4.8148, 5.0866,
9.1156

■ 5.5580, 5.8949,
9.2324

■ 6.4051, 6.7924,
9.3610

■ 7.3605, 7.7821,
9.5017

Harmonies

Analogous

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



1.5062, 1.9018, 8.7855



2.2311, 1.9018, 8.6370



3.0070, 1.9018, 6.1467

Triad

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



2.2311, 1.9018, 8.6370



2.9314, 1.9018, 0.0785



0.7679, 1.9018, 1.2830

Complementary

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



2.2311, 1.9018, 8.6370



4.7136, 3.9995, 0.5238

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.



0.9789, 1.9018, 0.1720



2.2311, 1.9018, 8.6370



2.1468, 1.9018, 0.0000

Square

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



2.2311, 1.9018, 8.6370



3.4789, 1.9018, 1.1346



1.4414, 1.9018, 0.0000



0.7799, 1.9018, 3.4171

Rectangle

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



2.2311, 1.9018, 8.6370



3.3929, 1.9018, 4.0708



1.4414, 1.9018, 0.0000



0.8136, 1.9018, 0.8605

Sweetspot

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



2.2312, 1.9018, 8.6371



9.5646, 10.1424, 16.1057



3.6958, 6.5509, 3.8233



2.3621, 2.5031, 4.1129



45.3388, 47.7000, 51.9453



3.7718, 3.9682, 4.3214

Same Dimension

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



2.2312, 1.9018, 8.6371



3.8114, 3.1500, 15.0593



1.6705, 0.6765, 8.4301



1.8579, 1.9632, 2.3606



3.4575, 2.8722, 13.6158



19.0757, 14.8352, 78.2393

Inverse Universe

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



3.9747, 2.0124, 1.8479



6.8997, 3.4977, 2.9993



6.3452, 7.9774, 1.2056



1.9168, 1.9161, 2.1424



6.2428, 3.1640, 2.7442



35.5679, 18.0734, 13.5274

Previews

White Background



This preview shows how the XYZ color 2.2311, 1.9018, 8.6370 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 ✓ Pass

Black Background



This preview shows how the XYZ color 2.2311, 1.9018, 8.6370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

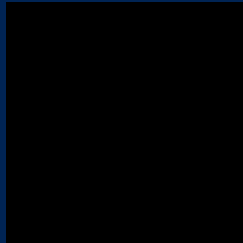
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 2.2311, 1.9018, 8.6370

Background



This preview shows how black text looks on a background with the XYZ color 2.2311, 1.9018, 8.6370.



This preview shows how white text looks on a background with the XYZ color 2.2311, 1.9018, 8.6370.

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

2.2311, 1.9018, 8.6370

Protanopia

2.0729, 1.8876, 7.6522

Deuteranopia

1.8022, 1.9349, 5.7473



Tritanopia

1.3570, 1.9250, 2.8848

Trichromacy



Original Color

2.2311, 1.9018, 8.6370

Protanomaly

2.1468, 1.9172, 8.0415

Deuteranomaly

1.9615, 1.9455, 6.7507

Tritanomaly

1.5744, 1.8438, 4.5479

Monochromacy



Original Color

2.2311, 1.9018, 8.6370

Achromatopsia

1.3024, 1.3702, 1.4922

Achromatomaly

1.4081, 1.4667, 3.2265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 2.2311, 1.9018, 8.6370 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(0, 36, 84)` looks like.

```
.text, #text, p{  
    color:rgb(0, 36, 84)  
}
```

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(0, 36, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 36, 84) }
```

Border

The CSS property to change the border of an element to XYZ 2.2311, 1.9018, 8.6370 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(0, 36, 84) }
```

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

```
.border{ border-color:rgb(0, 36, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 36, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 36, 84); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 36, 84); box-shadow:4px  
4px 4px 4px rgb(0, 36, 84) }
```


Background

The CSS property to change the background color of an element to XYZ 2.2311, 1.9018, 8.6370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 36, 84) }
```

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

```
.background{ background-color: rgb(0, 36,  
84) }
```

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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