

Converting Colors

XYZ(4.7321, 17.2266, 35.8665)

Have a look what the booklet for
XYZ(4.7321, 17.2266, 35.8665)
contains.

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Color

**XYZ(16.6917, 23.3706,
36.4321)**

Conversions

Conversions Part 1

Format	Color
Hex	00939F
RGB	0, 147, 159
RGB Percent	0%, 58%, 62%
CMY	0.9999, 0.4235, 0.3765
CMYK	1.00, 0.08, 0.00, 0.38
HSL	185°, 100%, 31%
HSV	185°, 100%, 62%
XYZ	16.6917, 23.3706, 36.4321
YIQ	104.4150, -91.4640, -27.4320

Conversions

Conversions Part 2

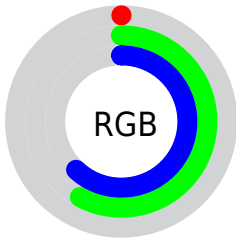
Format	Color
RYB	0, 76, 159
Decimal	37791
CIELab	55.45, -27.98, -15.65
CIELCh	55, 32.064, 209.223
Yxy	23.3706, 0.2182, 0.3055
Android (android.graphics.Color)	4278227871 (0xFF00939F)
YUV	104.4150, 26.9104, -91.5720
Hunter-Lab	48.3431, -22.9689, -10.8416

Details

The XYZ color **16.6917, 23.3706, 36.4321** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.4302, 7.6346, 0.7138**, and the grayscale version is **13.2193, 13.9077, 15.1455**.

A 20% lighter version of the original color is **37.3386, 48.8525, 71.0798**, and **6.8896, 9.4485, 15.6480** is the 20% darker color. If you saturate the color by 10%, you get **16.6918, 23.3707, 36.4326**, and if you desaturate by 10%, it is **17.0921, 23.8560, 36.5051**.

Distribution



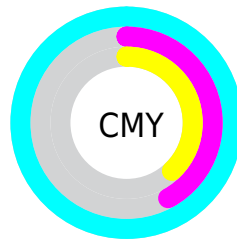
- Red (0%)
- Green (58%)
- Blue (62%)



- Red (0%)
- Yellow (30%)
- Blue (62%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (42%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6917, 23.3706, 36.4321 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 16.6917, 23.3706, 36.4321 by changing the saturation by 10% instead.

■ 16.6917, 23.3706,
36.4321

■ 16.6917, 23.3706,
36.4321

■ 226.5805,
269.6228, 345.9396

■ 10.1089, 14.8674,
24.4758

■ 37.3428, 49.0011,
70.8750

■ 5.5340, 8.7264,
15.4715

■ 52.1417, 66.8973,
94.1987

■ 2.6018, 4.5631,
9.0006

■ 70.4101, 88.6931,
122.1485

■ 0.9469, 1.9933,
4.6448

■ 92.5132, 114.7732,
155.1431

■ 0.0000, 0.6036,
1.9853

■ 118.8164,
145.5218, 193.6010

■ 0.0000, 0.0000,
0.5462

■ 149.6852,

■ 0.0000, 0.0000,

181.3233, 237.9407

0.0000

185.4847,
222.5622, 288.5807

■ 16.6917, 23.3706,
36.4321

■ 16.6917, 23.3706,
36.4321

■ 16.6918, 23.3707,
36.4326

■ 17.0921, 23.8560,
36.5051

■ 17.6596, 24.4299,
36.5860

■ 18.4668, 25.1304,
36.6787

■ 19.5444, 25.9731,
36.7845

■ 20.9181, 26.9714,
36.9048

■ 22.6109, 28.1372,
37.0406

■ 24.6433, 29.4809,
37.1929

■ 27.0342, 31.0124,
37.3625

■ 29.8010, 32.7407,
37.5502

Harmonies

Analogous

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



15.9729, 23.3706, 25.1782



16.6917, 23.3706, 36.4321



18.8488, 23.3706, 46.6200

Triad

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



16.6917, 23.3706, 36.4321



28.7229, 23.3706, 37.0279



22.3072, 23.3706, 10.3010

Complementary

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



16.6917, 23.3706, 36.4321



14.4302, 7.6346, 0.7138

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.



25.9556, 23.3706, 11.9083



16.6917, 23.3706, 36.4321



29.8975, 23.3706, 25.7169

Square

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



16.6917, 23.3706, 36.4321



25.7753, 23.3706, 47.0244



28.8347, 23.3706, 16.9265



18.9951, 23.3706, 11.7467

Rectangle

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



16.6917, 23.3706, 36.4321



20.9409, 23.3706, 50.3818



28.8347, 23.3706, 16.9265



23.5357, 23.3706, 10.4929

Sweetspot

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



16.6924, 23.3714, 36.4327



43.9023, 52.6466, 66.5914



12.4569, 24.8201, 4.4395



9.5583, 11.6466, 14.9879



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.6924, 23.3714, 36.4327



29.8297, 41.7273, 65.2254



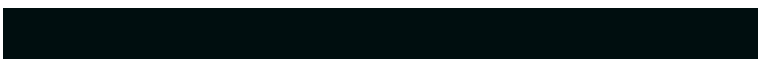
8.3813, 6.7492, 33.6623



6.7790, 7.4237, 8.4823



13.1970, 18.4856, 28.7798



0.2474, 0.3533, 0.5184

Inverse Universe

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



19.5652, 9.4782, 28.4029



35.0062, 16.9605, 50.6959



17.9640, 14.7023, 1.8918



6.8825, 6.7459, 8.2326



15.4595, 7.4883, 22.4682



0.2822, 0.1362, 0.4321

Previews

White Background



This preview shows how the XYZ color 16.6917, 23.3706, 36.4321 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 16.6917, 23.3706, 36.4321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

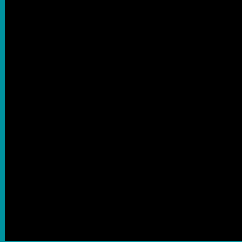
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.6917, 23.3706, 36.4321

Background



This preview shows how black text looks on a background with the XYZ color 16.6917, 23.3706, 36.4321.



This preview shows how white text looks on a background with the XYZ color 16.6917, 23.3706,

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

16.6917, 23.3706, 36.4321

Protanopia

22.7470, 23.1484, 31.7030

Deuteranopia

23.5144, 23.0120, 37.8527



Tritanopia

16.6917, 23.3706, 36.4321

Trichromacy



Original Color

16.6917, 23.3706, 36.4321

Protanomaly

18.2627, 22.0302, 33.4267

Deuteranomaly

18.8054, 22.0108, 37.4398

Tritanomaly

16.6917, 23.3706, 36.4321

Monochromacy



Original Color

16.6917, 23.3706, 36.4321

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.6013, 16.0464, 21.5019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6917, 23.3706, 36.4321 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, 147, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 159)  
}
```

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, 147, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 159) }
```

Border

The CSS property to change the border of an element to XYZ 16.6917, 23.3706, 36.4321 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, 147, 159) }
```


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

```
.border{ border-color:rgb(0, 147, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 147, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6917, 23.3706, 36.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 159) }
```

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

```
.background{ background-color: rgb(0, 147,  
159) }
```

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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