

Converting Colors

XYZ(12.1390, 16.3905, 37.2991)

Have a look what the booklet for
XYZ(12.1390, 16.3905, 37.2991)
contains.

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Color

**XYZ(13.9445, 17.3116,
37.2568)**

Conversions

Conversions Part 1

Format	Color
Hex	007DA3
RGB	0, 125, 163
RGB Percent	0%, 49%, 64%
CMY	0.9999, 0.5098, 0.3608
CMYK	1.00, 0.23, 0.00, 0.36
HSL	194°, 100%, 32%
HSV	194°, 100%, 64%
XYZ	13.9445, 17.3116, 37.2568
YIQ	91.9570, -86.6980, -14.6820

Conversions

Conversions Part 2

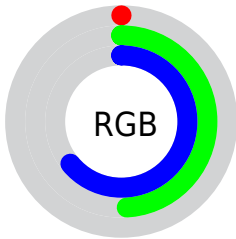
Format	Color
RYB	0, 71, 163
Decimal	32163
CIELab	48.65, -14.96, -28.42
CIELCh	49, 32.116, 242.246
Yxy	17.3116, 0.2035, 0.2527
Android (android.graphics.Color)	4278222243 (0xFF007DA3)
YUV	91.9570, 35.0242, -80.6463
Hunter-Lab	41.6072, -12.9890, -23.9656

Details

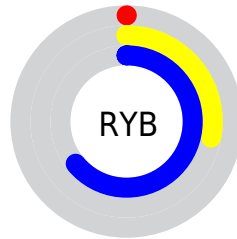
The XYZ color **13.9445, 17.3116, 37.2568** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **15.7986, 9.1748, 0.9391**, and the grayscale version is **10.1013, 10.6274, 11.5732**.

A 20% lighter version of the original color is **32.5998, 38.9775, 72.1349**, and **5.4537, 6.3166, 15.9707** is the 20% darker color. If you saturate the color by 10%, you get **13.9438, 17.3102, 37.2569**, and if you desaturate by 10%, it is **14.6545, 18.4059, 37.4310**.

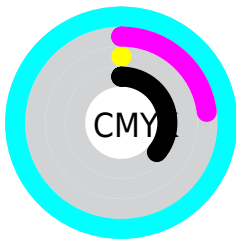
Distribution



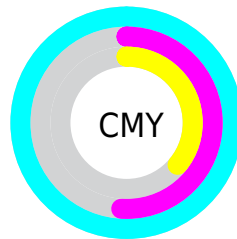
- Red (0%)
- Green (49%)
- Blue (64%)



- Red (0%)
- Yellow (28%)
- Blue (64%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (36%)



- Cyan (100%)
- Magenta (51%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9445, 17.3116, 37.2568 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 13.9445, 17.3116, 37.2568 by changing the saturation by 10% instead.

■ 13.9445, 17.3116,
37.2568

■ 13.9445, 17.3116,
37.2568

210.4028,
236.9617, 349.6231

■ 8.1635, 10.4569,
25.1090

■ 32.5776, 38.8608,
72.1583

■ 4.2524, 5.7029,
15.9386

■ 46.1604, 54.3240,
95.7491

■ 1.8459, 2.6653,
9.3268

■ 63.0746, 73.4255,
123.9914

■ 0.5451, 0.9596,
4.8552

■ 83.6855, 96.5498,
157.3036

■ 0.0000, 0.0000,
2.1053

■ 108.3583,
124.0811, 196.1044

■ 0.0000, 0.0000,
0.6189

■ 137.4586,

■ 0.0000, 0.0000,

156.4040, 240.8122

0.0000

171.3517,
193.9027, 291.8456

■ 13.9445, 17.3116,
37.2568

■ 13.9445, 17.3116,
37.2568

■ 13.9438, 17.3102,
37.2569

■ 14.6545, 18.4059,
37.4310

■ 15.5596, 19.6281,
37.6192

■ 16.7353, 21.0178,
37.8254

■ 18.2141, 22.5919,
38.0513

■ 20.0239, 24.3651,
38.2982

■ 22.1890, 26.3504,
38.5673

■ 24.7317, 28.5593,
38.8596

■ 27.6721, 31.0025,
39.1762

■ 31.0291, 33.6901,
39.5181

Harmonies

Analogous

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



12.0963, 17.3116, 28.9474



13.9445, 17.3116, 37.2568



16.6781, 17.3116, 40.2670

Triad

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



13.9445, 17.3116, 37.2568



22.8186, 17.3116, 18.2182



13.6016, 17.3116, 8.1545

Complementary

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



13.9445, 17.3116, 37.2568



15.7986, 9.1748, 0.9391

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.



16.2323, 17.3116, 6.8063



13.9445, 17.3116, 37.2568



21.7500, 17.3116, 11.4242

Square

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



13.9445, 17.3116, 37.2568



22.0196, 17.3116, 27.5004



19.2482, 17.3116, 7.7948



11.9156, 17.3116, 12.2345

Rectangle

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



13.9445, 17.3116, 37.2568



18.7032, 17.3116, 38.3089



19.2482, 17.3116, 7.7948



14.3930, 17.3116, 7.4332

Sweetspot

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



13.9451, 17.3122, 37.2572



44.0115, 50.9084, 69.5628



13.4061, 26.3182, 5.9901



9.4591, 11.0682, 15.5753



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.



13.9451, 17.3122, 37.2572



24.8129, 30.6825, 66.6707



7.5963, 4.6146, 35.1410



7.1355, 7.7299, 9.0190



10.8726, 13.5245, 28.9672



0.2608, 0.3489, 0.6195

Inverse Universe

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



18.8065, 9.2680, 20.2002



33.5989, 16.5644, 35.7491



21.4455, 20.4687, 2.8214



7.2934, 7.1738, 8.5312



14.6334, 7.2094, 15.7922



0.3238, 0.1580, 0.4179

Previews

White Background



This preview shows how the XYZ color 13.9445, 17.3116, 37.2568 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



This preview shows how the XYZ color 13.9445, 17.3116, 37.2568 looks on a 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 13.9445, 17.3116, 37.2568

Background



This preview shows how black text looks on a background with the XYZ color 13.9445, 17.3116, 37.2568.

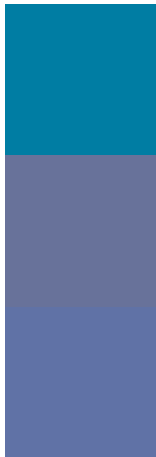


This preview shows how white text looks on a background with the XYZ color 13.9445, 17.3116,

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

13.9445, 17.3116, 37.2568

Protanopia

17.5590, 17.3108, 32.9877

Deuteranopia

17.7241, 17.2746, 38.4766

Trichromacy



Original Color

13.9445, 17.3116, 37.2568

Protanomaly

14.8110, 16.5494, 34.3120

Deuteranomaly

15.1944, 16.6656, 38.0133

Monochromacy



Original Color

13.9445, 17.3116, 37.2568

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.0240, 12.1384, 18.9542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9445, 17.3116, 37.2568 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, 125, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 163)  
}
```

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, 125, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 163) }
```

Border

The CSS property to change the border of an element to XYZ 13.9445, 17.3116, 37.2568 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, 125, 163) }
```

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

```
.border{ border-color:rgb(0, 125, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
163) }
```


Background

The CSS property to change the background color of an element to XYZ 13.9445, 17.3116, 37.2568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 163) }
```

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

```
.background{ background-color: rgb(0, 125,  
163) }
```

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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