

Converting Colors

XYZ(4.8357, 17.1967, 38.7897)

Have a look what the booklet for
XYZ(4.8357, 17.1967, 38.7897)
contains.

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Color

**XYZ(17.2252, 23.5840,
39.2416)**

Conversions

Conversions Part 1

Format	Color
Hex	0093A5
RGB	0, 147, 165
RGB Percent	0%, 58%, 65%
CMY	0.9999, 0.4235, 0.3529
CMYK	1.00, 0.11, 0.00, 0.35
HSL	187°, 100%, 32%
HSV	187°, 100%, 65%
XYZ	17.2252, 23.5840, 39.2416
YIQ	105.0990, -93.3900, -25.5660

Conversions

Conversions Part 2

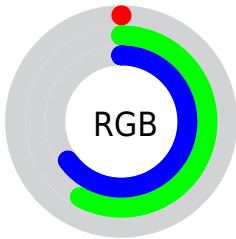
Format	Color
RYB	0, 78, 165
Decimal	37797
CIELab	55.67, -25.97, -18.76
CIELCh	56, 32.035, 215.850
Yxy	23.5840, 0.2152, 0.2946
Android (android.graphics.Color)	4278227877 (0xFF0093A5)
YUV	105.0990, 29.5312, -92.1718
Hunter-Lab	48.5634, -21.6728, -13.9149

Details

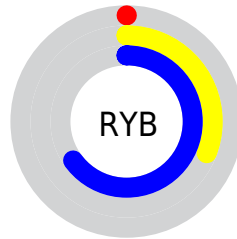
The XYZ color **17.2252, 23.5840, 39.2416** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.7341, 8.4329, 0.7992**, and the grayscale version is **13.3971, 14.0948, 15.3492**.

A 20% lighter version of the original color is **38.2185, 49.2159, 75.1954**, and **7.1635, 9.5580, 17.0901** is the 20% darker color. If you saturate the color by 10%, you get **17.2252, 23.5838, 39.2420**, and if you desaturate by 10%, it is **17.7306, 24.2638, 39.3466**.

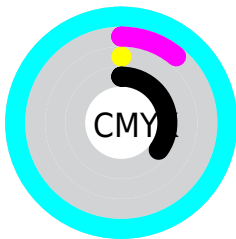
Distribution



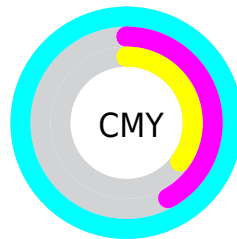
- Red (0%)
- Green (58%)
- Blue (65%)



- Red (0%)
- Yellow (31%)
- Blue (65%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (42%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2252, 23.5840, 39.2416 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 17.2252, 23.5840, 39.2416 by changing the saturation by 10% instead.

■ 17.2252, 23.5840,
39.2416

■ 17.2252, 23.5840,
39.2416

■ 229.5978,
270.7105, 358.3732

■ 10.4915, 15.0253,
26.6385

■ 38.2531, 49.3505,
75.2317

■ 5.7908, 8.8372,
17.0718

■ 53.2780, 67.3271,
99.4557

■ 2.7577, 4.6351,
10.1232

■ 71.7973, 89.2118,
128.3903

■ 1.0270, 2.0348,
5.3741

■ 94.1764, 115.3890,
162.4543

■ 0.0000, 0.6276,
2.4058

■ 120.7807,
146.2430, 202.0660

■ 0.0000, 0.0000,
0.7896

■ 151.9754,

■ 0.0000, 0.0000,

182.1584, 247.6440

0.0000

188.1260,
223.5194, 299.6069

■ 17.2252, 23.5840,
39.2416

■ 17.2252, 23.5840,
39.2416

■ 17.2252, 23.5838,
39.2420

■ 17.7306, 24.2638,
39.3466

■ 18.4224, 25.0458,
39.4611

■ 19.3775, 25.9701,
39.5892

■ 20.6293, 27.0540,
39.7324

■ 22.2062, 28.3121,
39.8921

■ 24.1334, 29.7574,
40.0695

■ 26.4335, 31.4016,
40.2657

■ 29.1270, 33.2553,
40.4815

■ 32.2333, 35.3286,
40.7180

Harmonies

Analogous

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



16.1696, 23.5840, 27.7688



17.2252, 23.5840, 39.2416



19.6821, 23.5840, 48.5538

Triad

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



17.2252, 23.5840, 39.2416



29.4002, 23.5840, 34.7474



21.7126, 23.5840, 10.4945

Complementary

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



17.2252, 23.5840, 39.2416



15.7341, 8.4329, 0.7992

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.



25.3918, 23.5840, 11.4262



17.2252, 23.5840, 39.2416



30.0934, 23.5840, 23.6967

Square

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



17.2252, 23.5840, 39.2416



26.7531, 23.5840, 45.5073



28.5568, 23.5840, 15.6683



18.5747, 23.5840, 12.6541

Rectangle

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



17.2252, 23.5840, 39.2416



21.9150, 23.5840, 51.1930



28.5568, 23.5840, 15.6683



22.9244, 23.5840, 10.4661

Sweetspot

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



17.2260, 23.5848, 39.2422



47.0885, 56.0610, 72.0913



13.5531, 26.9498, 4.9985



9.9208, 11.9916, 15.7292



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.



17.2260, 23.5848, 39.2422



30.7570, 42.0529, 70.2483



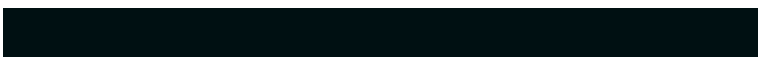
8.7411, 6.6151, 36.4139



7.2098, 7.8786, 9.0438



13.0531, 17.8856, 29.6941



0.2918, 0.4109, 0.6298

Inverse Universe

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



20.7841, 10.1066, 28.4599



37.1753, 18.0804, 50.7229



19.9803, 16.9253, 2.2146



7.3309, 7.1888, 8.7288



15.7341, 7.6497, 21.5880



0.3395, 0.1643, 0.5002

Previews

White Background



This preview shows how the XYZ color 17.2252, 23.5840, 39.2416 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 17.2252, 23.5840, 39.2416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

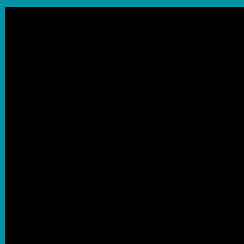
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

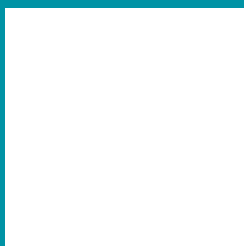
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.2252, 23.5840, 39.2416

Background



This preview shows how black text looks on a background with the XYZ color 17.2252, 23.5840, 39.2416.



This preview shows how white text looks on a background with the XYZ color 17.2252, 23.5840,

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

17.2252, 23.5840, 39.2416

Protanopia

23.0697, 23.4583, 34.3223

Deuteranopia

23.8965, 23.3419, 40.7821



Tritanopia

16.9351, 23.7179, 36.9431

Trichromacy



Original Color

17.2252, 23.5840, 39.2416

Protanomaly

18.5970, 22.1439, 36.0949

Deuteranomaly

19.2654, 22.1848, 40.3125

Tritanomaly

17.1115, 23.7884, 37.8722

Monochromacy



Original Color

17.2252, 23.5840, 39.2416

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.8620, 16.1585, 22.5197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2252, 23.5840, 39.2416 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 165) }
```

Border

The CSS property to change the border of an element to XYZ 17.2252, 23.5840, 39.2416 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, 165) }
```


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

```
.border{ border-color:rgb(0, 147, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 147, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 147, 165); box-shadow:4px 4px 4px 4px rgb(0, 147, 165) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2252, 23.5840, 39.2416 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, 165) }
```

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

```
.background{ background-color: rgb(0, 147,  
165) }
```

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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