

Converting Colors

XYZ(5.9395, 17.4975, 41.8461)

Have a look what the booklet for
XYZ(5.9395, 17.4975, 41.8461)
contains.

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Color

**XYZ(17.7253, 23.5363,
42.6385)**

Conversions

Conversions Part 1

Format	Color
Hex	0092AC
RGB	0, 146, 172
RGB Percent	0%, 57%, 67%
CMY	0.9999, 0.4274, 0.3255
CMYK	1.00, 0.15, 0.00, 0.33
HSL	189°, 100%, 34%
HSV	189°, 100%, 67%
XYZ	17.7253, 23.5363, 42.6385
YIQ	105.3100, -95.3620, -22.8660

Conversions

Conversions Part 2

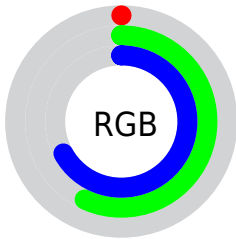
Format	Color
RYB	0, 79, 172
Decimal	37548
CIELab	55.62, -23.05, -22.84
CIELCh	56, 32.445, 224.742
Yxy	23.5363, 0.2113, 0.2805
Android (android.graphics.Color)	4278227628 (0xFF0092AC)
YUV	105.3100, 32.8782, -92.3569
Hunter-Lab	48.5142, -19.6826, -18.1492

Details

The XYZ color **17.7253, 23.5363, 42.6385** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **17.3838, 9.5111, 0.9206**, and the grayscale version is **13.4465, 14.1467, 15.4058**.

A 20% lighter version of the original color is **39.0336, 49.1818, 80.1088**, and **7.4824, 9.5405, 19.2164** is the 20% darker color. If you saturate the color by 10%, you get **17.7248, 23.5353, 42.6388**, and if you desaturate by 10%, it is **18.3665, 24.4692, 42.7852**.

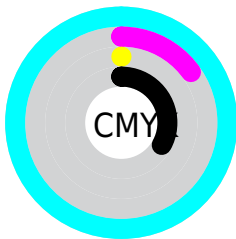
Distribution



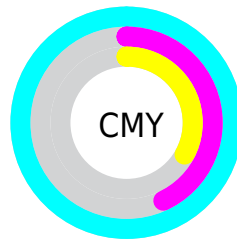
- Red (0%)
- Green (57%)
- Blue (67%)



- Red (0%)
- Yellow (31%)
- Blue (67%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (43%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7253, 23.5363, 42.6385 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 17.7253, 23.5363, 42.6385 by changing the saturation by 10% instead.

■ 17.7253, 23.5363,
42.6385

■ 17.7253, 23.5363,
42.6385

■ 232.3938,
270.4677, 373.0004

■ 10.8514, 14.9900,
29.2723

■ 39.1024, 49.2724,
80.4456

■ 6.0336, 8.8124,
19.0395

■ 54.3364, 67.2311,
105.7235

■ 2.9064, 4.6190,
11.5218

■ 73.0879, 89.0960,
135.8090

■ 1.1044, 2.0255,
6.3004

■ 95.7221, 115.2515,
171.1208

■ 0.0288, 0.6222,
2.9568

■ 122.6044,
146.0820, 212.0772

■ 0.0000, 0.0000,
1.0726

■ 154.1002,

■ 0.0000, 0.0000,

181.9720, 259.0970

0.0000

190.5749,
223.3057, 312.5985

■ 17.7253, 23.5363,
42.6385

■ 17.7253, 23.5363,
42.6385

■ 17.7248, 23.5353,
42.6388

■ 18.3665, 24.4692,
42.7852

■ 19.2199, 25.5246,
42.9440

■ 20.3671, 26.7453,
43.1191

■ 21.8453, 28.1504,
43.3124

■ 23.6863, 29.7563,
43.5254

■ 25.9178, 31.5776,
43.7593

■ 28.5649, 33.6272,
44.0154

■ 31.6506, 35.9170,
44.2947

■ 35.1961, 38.4580,
44.5983

Harmonies

Analogous

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



16.2191, 23.5363, 31.1187



17.7253, 23.5363, 42.6385



20.5652, 23.5363, 50.4729

Triad

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



17.7253, 23.5363, 42.6385



29.8886, 23.5363, 31.3192



20.6233, 23.5363, 10.6351

Complementary

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



17.7253, 23.5363, 42.6385



17.3838, 9.5111, 0.9206

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.



24.2786, 23.5363, 10.6613



17.7253, 23.5363, 42.6385



29.9086, 23.5363, 20.8227

Square

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



17.7253, 23.5363, 42.6385



27.7119, 23.5363, 42.8194



27.7638, 23.5363, 13.8754



17.7638, 23.5363, 13.7901

Rectangle

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



17.7253, 23.5363, 42.6385



22.9587, 23.5363, 51.4899



27.7638, 23.5363, 13.8754



21.7925, 23.5363, 10.3070

Sweetspot

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



17.7261, 23.5371, 42.6391



51.5319, 60.7853, 79.8225



14.9377, 29.5795, 5.8894



10.7576, 12.8720, 17.3052



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.7261, 23.5371, 42.6391



32.0250, 42.4359, 77.3088



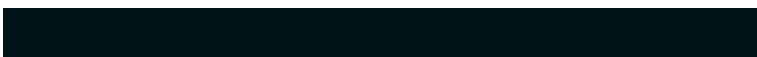
9.0745, 6.2339, 39.7552



8.1316, 8.8626, 10.2348



13.2219, 17.5777, 31.7405



0.3952, 0.5438, 0.8921

Inverse Universe

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



22.2023, 10.8469, 28.1183



40.2107, 19.6497, 50.6604



22.7872, 20.3179, 2.7217



8.2842, 8.1269, 9.8077



16.5375, 8.0775, 21.0075



0.4739, 0.2302, 0.6573

Previews

White Background



This preview shows how the XYZ color 17.7253, 23.5363, 42.6385 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 17.7253, 23.5363, 42.6385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

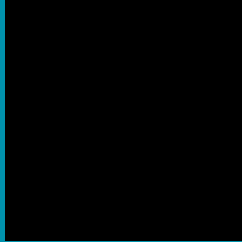
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.7253, 23.5363, 42.6385

Background



This preview shows how black text looks on a background with the XYZ color 17.7253, 23.5363, 42.6385.

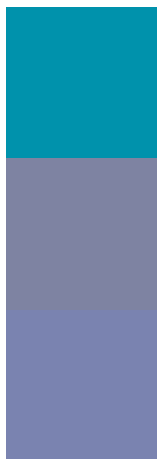


This preview shows how white text looks on a background with the XYZ color 17.7253, 23.5363,

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

17.7253, 23.5363, 42.6385

Protanopia

23.2421, 23.2769, 37.4503

Deuteranopia

23.9788, 23.5048, 44.3473



Tritanopia

16.6917, 23.3706, 36.4321

Trichromacy



Original Color

17.7253, 23.5363, 42.6385

Protanomaly

18.9954, 22.0670, 39.3346

Deuteranomaly

19.6839, 22.3232, 43.8288

Tritanomaly

17.1346, 23.5478, 38.7640

Monochromacy



Original Color

17.7253, 23.5363, 42.6385

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.9937, 16.2112, 23.2131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7253, 23.5363, 42.6385 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, 146, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 172)  
}
```

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, 146, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 172) }
```

Border

The CSS property to change the border of an element to XYZ 17.7253, 23.5363, 42.6385 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, 146, 172) }
```


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

```
.border{ border-color:rgb(0, 146, 172) }
```

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

Here you see how a box with a 4 pixel rgb(0, 146, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7253, 23.5363, 42.6385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 172) }
```

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

```
.background{ background-color: rgb(0, 146,  
172) }
```

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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