

Converting Colors

XYZ(16.2572, 21.9869, 37.5695)

Have a look what the booklet for
XYZ(16.2572, 21.9869, 37.5695)
contains.

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Color

**XYZ(16.2572, 21.9869,
37.5695)**

Conversions

Conversions Part 1

Format	Color
Hex	058EA2
RGB	5, 142, 162
RGB Percent	2%, 56%, 64%
CMY	0.9803, 0.4431, 0.3647
CMYK	0.97, 0.12, 0.00, 0.36
HSL	188°, 94%, 33%
HSV	188°, 97%, 64%
XYZ	16.2572, 21.9869, 37.5695
YIQ	103.3170, -88.0720, -22.8240

Conversions

Conversions Part 2

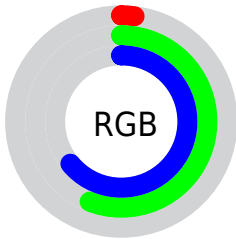
Format	Color
R _Y B	5, 78, 162
Decimal	364194
CIE Lab	54.01, -24.23, -19.57
CIE LCh	54, 31.145, 218.918
Yxy	21.9869, 0.2144, 0.2900
Android (android.graphics.Color)	4278554274 (0xFF058EA2)
YUV	103.3170, 28.9307, -86.2240
Hunter-Lab	46.8902, -20.1705, -14.6814

Details

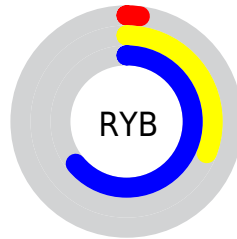
The XYZ color **16.2572, 21.9869, 37.5695** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.2763, 8.3890, 0.9585**, and the grayscale version is **12.9211, 13.5940, 14.8039**.

A 20% lighter version of the original color is **36.5787, 46.7138, 72.7344**, and **6.5556, 8.6080, 16.0678** is the 20% darker color. If you saturate the color by 10%, you get **16.0999, 21.7651, 37.5354**, and if you desaturate by 10%, it is **16.8191, 22.7371, 37.6851**.

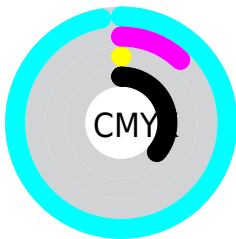
Distribution



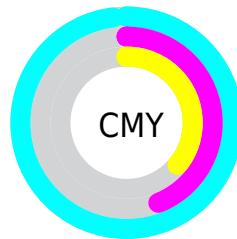
- Red (2%)
- Green (56%)
- Blue (64%)



- Red (2%)
- Yellow (31%)
- Blue (64%)



- Cyan (97%)
- Magenta (12%)
- Yellow (0%)
- Black (36%)



- Cyan (98%)
- Magenta (44%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2572, 21.9869, 37.5695 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 16.2572, 21.9869, 37.5695 by changing the saturation by 10% instead.

■ 16.2572, 21.9869,
37.5695

■ 16.2572, 21.9869,
37.5695

■ 224.0953,
262.4779, 351.0123

■ 9.7983, 13.8473,
25.3495

■ 36.5980, 46.7243,
72.6439

■ 5.3267, 8.0145,
16.1163

■ 51.2106, 64.0910,
96.3354

■ 2.4769, 4.1042,
9.4512

■ 69.2719, 85.3020,
124.6878

■ 0.8836, 1.7320,
4.9358

■ 91.1472, 110.7419,
158.1196

■ 0.0000, 0.4443,
2.1516

■ 117.2018,
140.7951, 197.0494

■ 0.0000, 0.0000,
0.6462

■ 147.8011,

■ 0.0000, 0.0000,

175.8458, 241.8958

0.0000

183.3105,
216.2786, 293.0772

■ 16.2572, 21.9869,
37.5695

■ 16.2572, 21.9869,
37.5695

■ 16.0999, 21.7651,
37.5354

■ 16.8191, 22.7371,
37.6851

■ 17.5991, 23.6078,
37.8121

■ 18.6436, 24.6234,
37.9531

■ 19.9828, 25.7995,
38.1095

■ 21.6428, 27.1496,
38.2826

■ 23.6467, 28.6857,
38.4735

■ 26.0156, 30.4186,
38.6831

■ 28.7687, 32.3584,
38.9124

■ 31.9240, 34.5142,
39.1622

Harmonies

Analogous

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



15.1355, 21.9869, 26.9290



16.2572, 21.9869, 37.5695



18.6559, 21.9869, 45.7262

Triad

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



16.2572, 21.9869, 37.5695



27.5350, 21.9869, 31.2430



19.9108, 21.9869, 9.9035

Complementary

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



16.2572, 21.9869, 37.5695



15.2763, 8.3890, 0.9585

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.



23.3127, 21.9869, 10.4785



16.2572, 21.9869, 37.5695



27.9637, 21.9869, 21.1808

Square

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



16.2572, 21.9869, 37.5695



25.2317, 21.9869, 41.4451



26.3470, 21.9869, 14.0840



17.0911, 21.9869, 12.2232

Rectangle

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



16.2572, 21.9869, 37.5695



20.7760, 21.9869, 47.6570



26.3470, 21.9869, 14.0840



21.0203, 21.9869, 9.7814

Sweetspot

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



16.2579, 21.9877, 37.5700



46.0197, 54.3506, 70.1213



13.1416, 25.9367, 5.1424



9.9405, 11.9181, 15.7140



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.



16.2579, 21.9877, 37.5700



29.1226, 39.3019, 68.1072



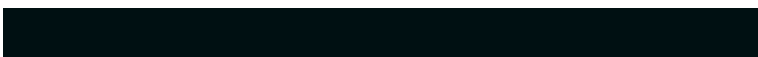
8.4866, 6.4450, 34.9796



7.1988, 7.8566, 9.0401



12.7055, 17.1904, 29.5782



0.2870, 0.4013, 0.6282

Inverse Universe

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



19.8377, 9.7437, 26.4271



35.7743, 17.4346, 47.2042



19.6626, 17.1616, 2.4206



7.3253, 7.1866, 8.6995



15.5586, 7.5795, 20.6641



0.3370, 0.1633, 0.4875

Previews

White Background



This preview shows how the XYZ color 16.2572, 21.9869, 37.5695 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 16.2572, 21.9869, 37.5695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

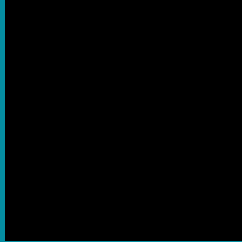
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.2572, 21.9869, 37.5695

Background



This preview shows how black text looks on a background with the XYZ color 16.2572, 21.9869, 37.5695.

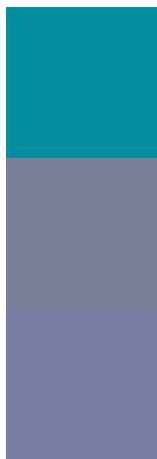


This preview shows how white text looks on a background with the XYZ color 16.2572, 21.9869,

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

16.2572, 21.9869, 37.5695

Protanopia

21.5690, 21.7308, 32.7634

Deuteranopia

22.2289, 21.7398, 39.1010



Tritanopia

15.6552, 21.9780, 33.9889

Trichromacy



Original Color

16.2572, 21.9869, 37.5695

Protanomaly

17.6454, 20.6522, 34.5087

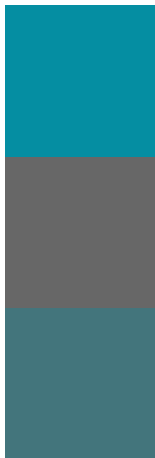
Deuteranomaly

18.2672, 20.8814, 38.6650

Tritanomaly

15.9333, 22.0921, 35.3227

Monochromacy



Original Color

16.2572, 21.9869, 37.5695

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.3141, 15.3711, 21.3867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2572, 21.9869, 37.5695 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(5, 142, 162)` looks like.

```
.text, #text, p{  
    color:rgb(5, 142, 162)  
}
```

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(5, 142, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 142, 162) }
```

Border

The CSS property to change the border of an element to XYZ 16.2572, 21.9869, 37.5695 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(5, 142, 162) }
```


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

```
.border{ border-color:rgb(5, 142, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 142, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 142, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 142, 162);  
box-shadow:4px 4px 4px 4px rgb(5, 142,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2572, 21.9869, 37.5695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 142, 162) }
```

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

```
.background{ background-color: rgb(5, 142,  
162) }
```

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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