

Converting Colors

XYZ(13.0191, 19.9307, 32.7647)

Have a look what the booklet for
XYZ(13.0191, 19.9307, 32.7647)
contains.

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Color

**XYZ(15.0456, 21.0232,
32.9707)**

Conversions

Conversions Part 1

Format	Color
Hex	008C98
RGB	0, 140, 152
RGB Percent	0%, 55%, 60%
CMY	0.9999, 0.4510, 0.4039
CMYK	1.00, 0.08, 0.00, 0.40
HSL	185°, 100%, 30%
HSV	185°, 100%, 60%
XYZ	15.0456, 21.0232, 32.9707
YIQ	99.5080, -87.2920, -25.9480

Conversions

Conversions Part 2

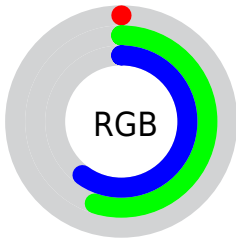
Format	Color
RYB	0, 73, 152
Decimal	35992
CIELab	52.97, -26.83, -15.38
CIELCh	53, 30.927, 209.824
Yxy	21.0232, 0.2179, 0.3045
Android (android.graphics.Color)	4278226072 (0xFF008C98)
YUV	99.5080, 25.8786, -87.2685
Hunter-Lab	45.8511, -21.6662, -10.5387

Details

The XYZ color **15.0456, 21.0232, 32.9707** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.0810, 6.9390, 0.6506**, and the grayscale version is **11.9424, 12.5644, 13.6826**.

A 20% lighter version of the original color is **34.4569, 45.1145, 65.2844**, and **5.9213, 8.0843, 13.5603** is the 20% darker color. If you saturate the color by 10%, you get **15.0457, 21.0233, 32.9711**, and if you desaturate by 10%, it is **15.4230, 21.4799, 33.0394**.

Distribution



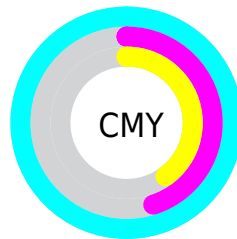
- Red (0%)
- Green (55%)
- Blue (60%)



- Red (0%)
- Yellow (29%)
- Blue (60%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (45%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0456, 21.0232, 32.9707 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 15.0456, 21.0232, 32.9707 by changing the saturation by 10% instead.

■ 15.0456, 21.0232,
32.9707

■ 15.0456, 21.0232,
32.9707

■ 217.0250,
257.4018, 330.1456

■ 8.9379, 13.1410,
21.8331

■ 34.5042, 45.1261,
65.4453

■ 4.7575, 7.5257,
13.5371

■ 48.5857, 62.1156,
87.6193

■ 2.1390, 3.7930,
7.6644

■ 66.0560, 82.9097,
114.3092

■ 0.7103, 1.5584,
3.7963

■ 87.2803, 107.8926,
145.9335

■ 0.0000, 0.3293,
1.5143

■ 112.6240,
137.4489, 182.9107

■ 0.0000, 0.0000,
0.2285

■ 142.4524,

■ 0.0000, 0.0000,

171.9630, 225.6595

0.0000

177.1310,
211.8191, 274.5983

■ 15.0456, 21.0232,
32.9707

■ 15.0456, 21.0232,
32.9707

■ 15.0457, 21.0233,
32.9711

■ 15.4230, 21.4799,
33.0394

■ 15.9484, 22.0154,
33.1150

■ 16.6906, 22.6654,
33.2014

■ 17.6765, 23.4440,
33.2997

■ 18.9293, 24.3631,
33.4111

■ 20.4694, 25.4331,
33.5364

■ 22.3152, 26.6636,
33.6767

■ 24.4836, 28.0634,
33.8326

■ 26.9903, 29.6404,
34.0048

Harmonies

Analogous

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



14.3724, 21.0232, 22.8359



15.0456, 21.0232, 32.9707



17.0085, 21.0232, 42.0601

Triad

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



15.0456, 21.0232, 32.9707



25.8719, 21.0232, 33.0921



20.0011, 21.0232, 9.2738

Complementary

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



15.0456, 21.0232, 32.9707



13.0810, 6.9390, 0.6506

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.



23.2831, 21.0232, 10.6629



15.0456, 21.0232, 32.9707



26.8888, 21.0232, 22.9456

Square

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



15.0456, 21.0232, 32.9707



23.2464, 21.0232, 42.1425



25.8947, 21.0232, 15.1081



17.0383, 21.0232, 10.6299

Rectangle

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



15.0456, 21.0232, 32.9707



18.9004, 21.0232, 45.3516



25.8947, 21.0232, 15.1081



21.1040, 21.0232, 9.4284

Sweetspot

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



15.0463, 21.0240, 32.9712



39.1770, 46.9249, 59.4262



11.2843, 22.4792, 4.0358



8.6052, 10.4677, 13.4844



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.0463, 21.0240, 32.9712



26.4966, 36.9873, 58.1764



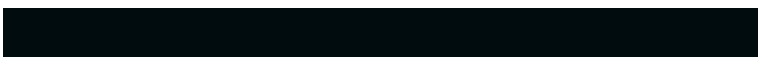
7.6091, 6.1497, 30.4922



6.3429, 6.9431, 7.9348



12.6257, 17.6480, 27.6487



0.1994, 0.2852, 0.4169

Inverse Universe

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



17.6831, 8.5695, 25.5338



31.1810, 15.1127, 44.9078



16.2885, 13.3542, 1.7198



6.4402, 6.3152, 7.6981



14.8316, 7.1869, 21.4361



0.2271, 0.1096, 0.3488

Previews

White Background



This preview shows how the XYZ color 15.0456, 21.0232, 32.9707 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 15.0456, 21.0232, 32.9707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

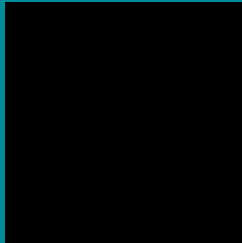
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.0456, 21.0232, 32.9707

Background



This preview shows how black text looks on a background with the XYZ color 15.0456, 21.0232, 32.9707.



This preview shows how white text looks on a background with the XYZ color 15.0456, 21.0232,

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

15.0456, 21.0232, 32.9707

Protanopia

20.3845, 20.8312, 28.5376

Deuteranopia

21.2521, 20.7772, 34.3428



Tritanopia

14.9640, 20.9905, 32.5410

Trichromacy



Original Color

15.0456, 21.0232, 32.9707

Protanomaly

16.3128, 19.6603, 30.1292

Deuteranomaly

16.9085, 19.6868, 33.9191

Tritanomaly

14.9640, 20.9905, 32.5410

Monochromacy



Original Color

15.0456, 21.0232, 32.9707

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.5749, 14.6834, 19.6769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0456, 21.0232, 32.9707 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, 140, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 152)  
}
```

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, 140, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 152) }
```

Border

The CSS property to change the border of an element to XYZ 15.0456, 21.0232, 32.9707 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, 140, 152) }
```


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

```
.border{ border-color:rgb(0, 140, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0456, 21.0232, 32.9707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 152) }
```

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

```
.background{ background-color: rgb(0, 140,  
152) }
```

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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