

Converting Colors

XYZ(5.8860, 14.4994, 31.7679)

Have a look what the booklet for
XYZ(5.8860, 14.4994, 31.7679)
contains.

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Color

**XYZ(13.7022, 18.4670,
32.1205)**

Conversions

Conversions Part 1

Format	Color
Hex	008397
RGB	0, 131, 151
RGB Percent	0%, 51%, 59%
CMY	0.9999, 0.4863, 0.4078
CMYK	1.00, 0.13, 0.00, 0.41
HSL	188°, 100%, 30%
HSV	188°, 100%, 59%
XYZ	13.7022, 18.4670, 32.1205
YIQ	94.1110, -84.4960, -21.5520

Conversions

Conversions Part 2

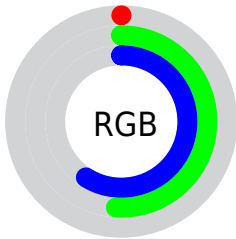
Format	Color
RYB	0, 70, 151
Decimal	33687
CIELab	50.06, -22.56, -19.25
CIElCh	50, 29.653, 220.469
Yxy	18.4670, 0.2131, 0.2872
Android (android.graphics.Color)	4278223767 (0xFF008397)
YUV	94.1110, 28.0463, -82.5353
Hunter-Lab	42.9732, -18.2877, -14.2352

Details

The XYZ color **13.7022, 18.4670, 32.1205** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.0133, 7.0804, 0.6813**, and the grayscale version is **10.6172, 11.1702, 12.1643**.

A 20% lighter version of the original color is **32.0904, 40.7150, 63.9250**, and **5.2427, 6.8050, 13.0938** is the 20% darker color. If you saturate the color by 10%, you get **13.7022, 18.4668, 32.1208**, and if you desaturate by 10%, it is **14.1728, 19.1126, 32.2207**.

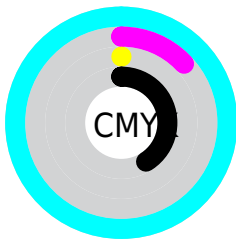
Distribution



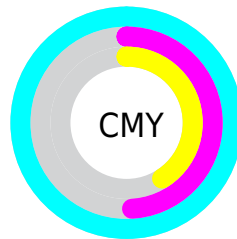
- Red (0%)
- Green (51%)
- Blue (59%)



- Red (0%)
- Yellow (27%)
- Blue (59%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (41%)



- Cyan (100%)
- Magenta (49%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7022, 18.4670, 32.1205 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 13.7022, 18.4670, 32.1205 by changing the saturation by 10% instead.

■ 13.7022, 18.4670,
32.1205

■ 13.7022, 18.4670,
32.1205

■ 208.9182,
243.4903, 326.1774

■ 7.9941, 11.2858,
21.1880

■ 32.1504, 40.8315,
64.1000

■ 4.1430, 6.2594,
13.0689

■ 45.6212, 56.7836,
85.9842

■ 1.7833, 3.0034,
7.3447

■ 62.4104, 76.4280,
112.3559

■ 0.5076, 1.1335,
3.5969

■ 82.8832, 100.1493,
143.6337

■ 0.0000, 0.0064,
1.4069

■ 107.4050,
128.3318, 180.2363

■ 0.0000, 0.0000,
0.1471

■ 136.3412,

■ 0.0000, 0.0000,

161.3598, 222.5820

0.0000

170.0571,
199.6179, 271.0896

■ 13.7022, 18.4670,
32.1205

■ 13.7022, 18.4670,
32.1205

■ 13.7022, 18.4668,
32.1208

■ 14.1728, 19.1126,
32.2207

■ 14.7921, 19.8423,
32.3289

■ 15.6283, 20.6916,
32.4487

■ 16.7079, 21.6742,
32.5815

■ 18.0538, 22.8019,
32.7282

■ 19.6859, 24.0851,
32.8899

■ 21.6225, 25.5332,
33.0673

■ 23.8802, 27.1548,
33.2613

■ 26.4744, 28.9579,
33.4726

Harmonies

Analogous

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



12.6931, 18.4670, 23.0983



13.7022, 18.4670, 32.1205



15.7821, 18.4670, 38.8385

Triad

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



13.7022, 18.4670, 32.1205



23.2446, 18.4670, 25.8283



16.5746, 18.4670, 8.2800

Complementary

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



13.7022, 18.4670, 32.1205



13.0133, 7.0804, 0.6813

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.



19.4503, 18.4670, 8.6405



13.7022, 18.4670, 32.1205



23.5161, 18.4670, 17.3865

Square

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



13.7022, 18.4670, 32.1205



21.3576, 18.4670, 34.5784



22.0635, 18.4670, 11.5394



14.2282, 18.4670, 10.3696

Rectangle

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



13.7022, 18.4670, 32.1205



17.5973, 18.4670, 40.2562



22.0635, 18.4670, 11.5394



17.5075, 18.4670, 8.1364

Sweetspot

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



13.7028, 18.4677, 32.1210



38.4937, 45.5583, 59.1985



11.1732, 22.1761, 4.2482



8.4312, 10.1196, 13.4264



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.



13.7028, 18.4677, 32.1210



24.4425, 32.8792, 57.4917



7.0940, 5.2501, 29.9180



6.3148, 6.8869, 7.9255



11.6715, 15.7396, 27.3306



0.1914, 0.2692, 0.4142

Inverse Universe

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



16.8598, 8.2186, 22.1712



30.1442, 14.6980, 39.4480



16.6881, 14.4301, 1.9063



6.4260, 6.3096, 7.6235



14.3500, 6.9942, 18.8998



0.2231, 0.1080, 0.3276

Previews

White Background



This preview shows how the XYZ color 13.7022, 18.4670, 32.1205 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 13.7022, 18.4670, 32.1205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

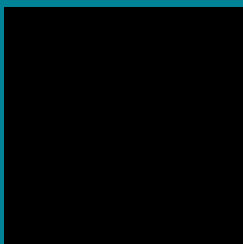
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

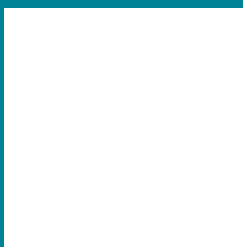
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7022, 18.4670, 32.1205

Background



This preview shows how black text looks on a background with the XYZ color 13.7022, 18.4670, 32.1205.

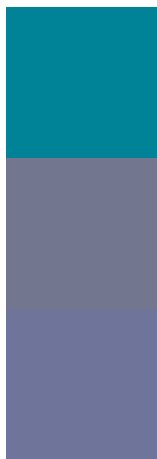


This preview shows how white text looks on a background with the XYZ color 13.7022, 18.4670,

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

13.7022, 18.4670, 32.1205

Protanopia

18.3003, 18.4873, 28.1951

Deuteranopia

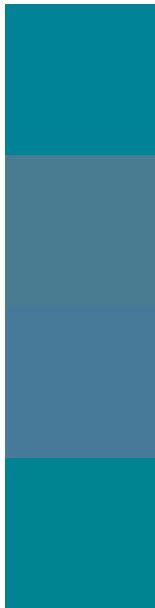
18.7496, 18.4352, 33.1420



Tritanopia

13.2092, 18.4857, 28.8585

Trichromacy



Original Color

13.7022, 18.4670, 32.1205

Protanomaly

14.9414, 17.6267, 29.4029

Deuteranomaly

15.3078, 17.5586, 32.7193

Tritanomaly

13.4396, 18.5779, 30.0717

Monochromacy



Original Color

13.7022, 18.4670, 32.1205

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.2157, 12.7139, 18.1353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7022, 18.4670, 32.1205 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, 131, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 151)  
}
```

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, 131, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 151) }
```

Border

The CSS property to change the border of an element to XYZ 13.7022, 18.4670, 32.1205 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, 131, 151) }
```


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

```
.border{ border-color:rgb(0, 131, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 131, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7022, 18.4670, 32.1205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 151) }
```

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

```
.background{ background-color: rgb(0, 131,  
151) }
```

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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