

Converting Colors

XYZ(13.7087, 18.4147, 31.7299)

Have a look what the booklet for
XYZ(13.7087, 18.4147, 31.7299)
contains.

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Color

**XYZ(13.7465, 18.4991,
31.7003)**

Conversions

Conversions Part 1

Format	Color
Hex	0A8396
RGB	10, 131, 150
RGB Percent	4%, 51%, 59%
CMY	0.9607, 0.4863, 0.4118
CMYK	0.93, 0.13, 0.00, 0.41
HSL	188°, 87%, 31%
HSV	188°, 93%, 59%
XYZ	13.7465, 18.4991, 31.7003
YIQ	96.9870, -78.2150, -19.7430

Conversions

Conversions Part 2

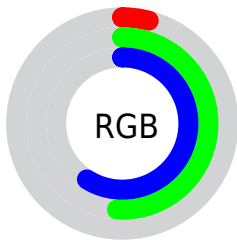
Format	Color
RYB	10, 75, 150
Decimal	689046
CIELab	50.10, -22.44, -18.60
CIElCh	50, 29.146, 219.648
Yxy	18.4991, 0.2150, 0.2893
Android (android.graphics.Color)	4278879126 (0xFF0A8396)
YUV	96.9870, 26.1354, -76.2876
Hunter-Lab	43.0106, -18.2186, -13.5914

Details

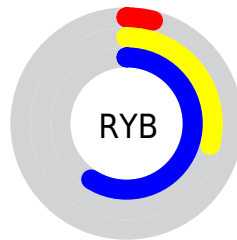
The XYZ color **13.7465, 18.4991, 31.7003** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.0727, 7.3860, 1.0246**, and the grayscale version is **11.3128, 11.9019, 12.9612**.

A 20% lighter version of the original color is **32.1594, 40.7645, 63.3001**, and **5.1946, 6.7857, 12.8404** is the 20% darker color. If you saturate the color by 10%, you get **13.4400, 18.0719, 31.6344**, and if you desaturate by 10%, it is **14.2993, 19.1944, 31.8057**.

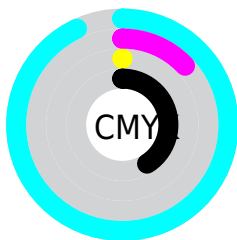
Distribution



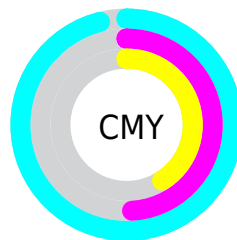
- Red (4%)
- Green (51%)
- Blue (59%)



- Red (4%)
- Yellow (29%)
- Blue (59%)



- Cyan (93%)
- Magenta (13%)
- Yellow (0%)
- Black (41%)



- Cyan (96%)
- Magenta (49%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7465, 18.4991, 31.7003 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 13.7465, 18.4991, 31.7003 by changing the saturation by 10% instead.

13.7465, 18.4991,
31.7003

13.7465, 18.4991,
31.7003

209.1904,
243.6694, 324.2023

8.0251, 11.3089,
20.8698

32.2286, 40.8860,
63.4334

4.1629, 6.2750,
12.8385

45.7200, 56.8514,
85.1730

1.7947, 3.0130,
7.1880

62.5320, 76.5108,
111.3861

0.5145, 1.1385,
3.4997

83.0302, 100.2484,
142.4912

0.0000, 0.0106,
1.3551

107.5797,
128.4486, 178.9068

0.0000, 0.0000,
0.1063

136.5460,

0.0000, 0.0000,

161.4960, 221.0515

0.0000

170.2945,
199.7747, 269.3438

■ 13.7465, 18.4991,
31.7003

■ 13.7465, 18.4991,
31.7003

■ 13.4400, 18.0719,
31.6344

■ 14.2993, 19.1944,
31.8057

■ 15.0554, 20.0022,
31.9218

■ 16.0433, 20.9375,
32.0503

■ 17.2865, 22.0126,
32.1922

■ 18.8055, 23.2379,
32.3487

■ 20.6187, 24.6232,
32.5205

■ 22.7430, 26.1771,
32.7085

■ 25.1939, 27.9076,
32.9133

■ 27.9859, 29.8223,
33.1358

Harmonies

Analogous

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



12.7814, 18.4991, 22.8451



13.7465, 18.4991, 31.7003



15.7721, 18.4991, 38.3845

Triad

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



13.7465, 18.4991, 31.7003



23.1431, 18.4991, 26.0095



16.6939, 18.4991, 8.4251

Complementary

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



13.7465, 18.4991, 31.7003



13.0727, 7.3860, 1.0246

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.



19.5272, 18.4991, 8.8493



13.7465, 18.4991, 31.7003



23.4574, 18.4991, 17.6617

Square

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



13.7465, 18.4991, 31.7003



21.2557, 18.4991, 34.5393



22.0738, 18.4991, 11.8029



14.3595, 18.4991, 10.4322

Rectangle

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



13.7465, 18.4991, 31.7003



17.5497, 18.4991, 39.8861



22.0738, 18.4991, 11.8029



17.6160, 18.4991, 8.3036

Sweetspot

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



13.7471, 18.4998, 31.7008



38.1029, 44.7225, 57.5453



11.2499, 21.9648, 4.7891



8.1287, 9.6783, 12.7245



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.7471, 18.4998, 31.7008



23.6247, 31.7052, 55.7958



7.3181, 5.6417, 29.5577



5.8977, 6.4294, 7.3999



11.1637, 15.0222, 26.2422



0.1516, 0.2137, 0.3262

Inverse Universe

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



16.7835, 8.3405, 22.1986



29.2177, 14.2513, 38.0104



17.0640, 15.3686, 2.3550



6.0018, 5.8958, 7.1157



13.7620, 6.7099, 18.0256



0.1760, 0.0851, 0.2603

Previews

White Background



This preview shows how the XYZ color 13.7465, 18.4991, 31.7003 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 13.7465, 18.4991, 31.7003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

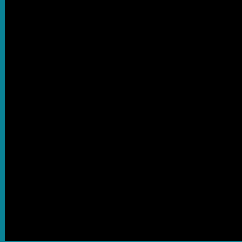
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.7465, 18.4991, 31.7003

Background



This preview shows how black text looks on a background with the XYZ color 13.7465, 18.4991, 31.7003.

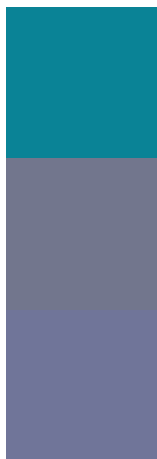


This preview shows how white text looks on a background with the XYZ color 13.7465, 18.4991,

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

13.7465, 18.4991, 31.7003

Protanopia

18.2256, 18.4574, 27.8013

Deuteranopia

18.7932, 18.4672, 32.7110

Trichromacy



Original Color

13.7465, 18.4991, 31.7003

Protanomaly

15.0975, 17.7160, 29.0094

Deuteranomaly

15.5287, 17.6819, 32.3003

Monochromacy



Original Color

13.7465, 18.4991, 31.7003

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.8010, 13.3221, 18.5251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7465, 18.4991, 31.7003 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(10, 131, 150)` looks like.

```
.text, #text, p{  
  color:rgb(10, 131, 150)  
}
```

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(10, 131, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 131, 150) }
```

Border

The CSS property to change the border of an element to XYZ 13.7465, 18.4991, 31.7003 is called "border". The border property can be set on classes, ids or directly on the HTML element.

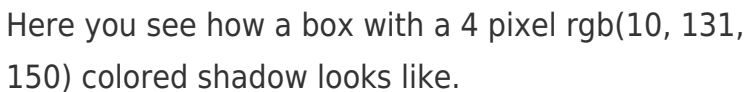
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(10, 131, 150) }
```

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

```
.border{ border-color:rgb(10, 131, 150) }
```

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



Here you see how a box with a 4 pixel `rgb(10, 131, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 131, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 131, 150);  
box-shadow:4px 4px 4px 4px rgb(10, 131,  
150) }
```


Background

The CSS property to change the background color of an element to XYZ 13.7465, 18.4991, 31.7003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 131, 150) }
```

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

```
.background{ background-color: rgb(10, 131,  
150) }
```

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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