

Converting Colors

XYZ(13.5561, 17.8841, 32.8745)

Have a look what the booklet for
XYZ(13.5561, 17.8841, 32.8745)
contains.

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Color

**XYZ(13.6251, 18.0133,
32.8958)**

Conversions

Conversions Part 1

Format	Color
Hex	028199
RGB	2, 129, 153
RGB Percent	1%, 51%, 60%
CMY	0.9920, 0.4941, 0.4000
CMYK	0.99, 0.16, 0.00, 0.40
HSL	190°, 97%, 30%
HSV	190°, 99%, 60%
XYZ	13.6251, 18.0133, 32.8958
YIQ	93.7630, -83.3960, -19.4600

Conversions

Conversions Part 2

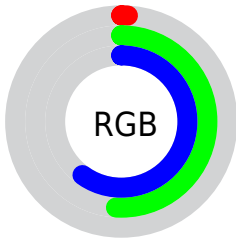
Format	Color
RYB	2, 71, 153
Decimal	164249
CIELab	49.51, -20.70, -21.25
CIELCh	50, 29.665, 225.750
Yxy	18.0133, 0.2111, 0.2791
Android (android.graphics.Color)	4278354329 (0xFF028199)
YUV	93.7630, 29.2038, -80.4762
Hunter-Lab	42.4421, -16.9701, -16.2448

Details

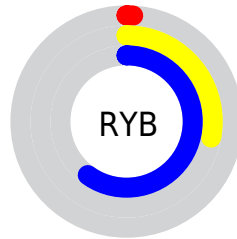
The XYZ color **13.6251, 18.0133, 32.8958** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.5182, 7.5169, 0.7967**, and the grayscale version is **10.5331, 11.0816, 12.0679**.

A 20% lighter version of the original color is **31.9209, 39.9871, 65.0674**, and **5.1943, 6.5513, 13.5611** is the 20% darker color. If you saturate the color by 10%, you get **13.5579, 17.9160, 32.8809**, and if you desaturate by 10%, it is **14.1616, 18.7715, 33.0142**.

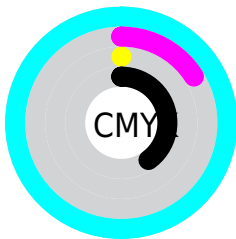
Distribution



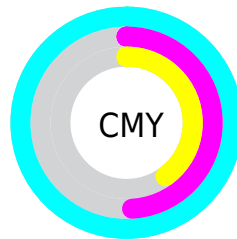
- Red (1%)
- Green (51%)
- Blue (60%)



- Red (1%)
- Yellow (28%)
- Blue (60%)



- Cyan (99%)
- Magenta (16%)
- Yellow (0%)
- Black (40%)



- Cyan (99%)
- Magenta (49%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6251, 18.0133, 32.8958 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 13.6251, 18.0133, 32.8958 by changing the saturation by 10% instead.

■ 13.6251, 18.0133,
32.8958

■ 13.6251, 18.0133,
32.8958

208.4436,
240.9460, 329.7975

■ 7.9403, 10.9595,
21.7762

■ 32.0142, 40.0600,
65.3269

■ 4.1083, 6.0396,
13.4958

■ 45.4492, 55.8217,
87.4755

■ 1.7636, 2.8692,
7.6361

■ 62.1984, 75.2549,
114.1376

■ 0.4956, 1.0638,
3.7786

■ 82.6270, 98.7438,
145.7315

■ 0.0000, 0.0000,
1.5047

■ 107.1005,
126.6730, 182.6759

■ 0.0000, 0.0000,
0.2214

■ 135.9842,

■ 0.0000, 0.0000,

159.4269, 225.3894

0.0000

169.6434,
197.3897, 274.2904

■ 13.6251, 18.0133,
32.8958

■ 13.6251, 18.0133,
32.8958

■ 13.5579, 17.9160,
32.8809

■ 14.1616, 18.7715,
33.0142

■ 14.8718, 19.6303,
33.1426

■ 15.8117, 20.6190,
33.2839

■ 17.0081, 21.7515,
33.4394

■ 18.4842, 23.0398,
33.6103

■ 20.2605, 24.4946,
33.7974

■ 22.3556, 26.1255,
34.0018

■ 24.7864, 27.9413,
34.2242

■ 27.5688, 29.9502,
34.4653

Harmonies

Analogous

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



12.4351, 18.0133, 24.1142



13.6251, 18.0133, 32.8958



15.8269, 18.0133, 38.7278

Triad

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



13.6251, 18.0133, 32.8958



22.9016, 18.0133, 23.6687



15.6978, 18.0133, 8.1829

Complementary

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



13.6251, 18.0133, 32.8958



13.5182, 7.5169, 0.7967

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.



18.4840, 18.0133, 8.1246



13.6251, 18.0133, 32.8958



22.8573, 18.0133, 15.7107

Square

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



13.6251, 18.0133, 32.8958



21.2843, 18.0133, 32.4939



21.1691, 18.0133, 10.4959



13.5396, 18.0133, 10.6855

Rectangle

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



13.6251, 18.0133, 32.8958



17.6674, 18.0133, 39.3572



21.1691, 18.0133, 10.4959



16.5862, 18.0133, 7.9055

Sweetspot

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



13.6257, 18.0139, 32.8962



39.2700, 46.2014, 60.8200



11.5888, 22.8646, 4.7040



8.3465, 9.9503, 13.3982



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.



13.6257, 18.0139, 32.8962



24.1675, 31.8596, 58.8477



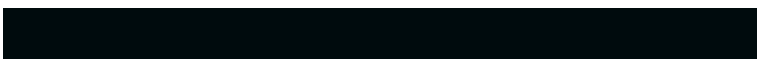
7.1353, 5.0330, 30.7328



6.3010, 6.8593, 7.9208



11.2252, 14.8471, 27.1818



0.1876, 0.2615, 0.4130

Inverse Universe

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



17.1216, 8.4015, 21.4886



30.5278, 14.9289, 37.9684



17.7208, 15.9221, 2.1976



6.4190, 6.3068, 7.5867



14.1247, 6.9041, 17.7137



0.2211, 0.1072, 0.3173

Previews

White Background



This preview shows how the XYZ color 13.6251, 18.0133, 32.8958 looks on a white 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

Black Background



This preview shows how the XYZ color 13.6251, 18.0133, 32.8958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

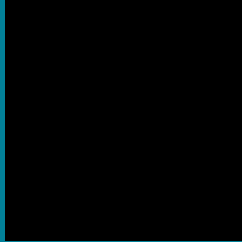
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.6251, 18.0133, 32.8958

Background



This preview shows how black text looks on a background with the XYZ color 13.6251, 18.0133, 32.8958.



This preview shows how white text looks on a background with the XYZ color 13.6251, 18.0133,

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

13.6251, 18.0133, 32.8958

Protanopia

17.8350, 17.8839, 28.8975

Deuteranopia

18.1949, 17.7876, 33.9269



Tritanopia

12.7904, 17.8884, 27.9780

Trichromacy



Original Color

13.6251, 18.0133, 32.8958

Protanomaly

14.7024, 17.1209, 30.1335

Deuteranomaly

15.0871, 17.0647, 33.5090

Tritanomaly

13.1060, 18.0161, 29.5748

Monochromacy



Original Color

13.6251, 18.0133, 32.8958

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.2767, 12.7453, 18.1381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6251, 18.0133, 32.8958 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(2, 129, 153)` looks like.

```
.text, #text, p{  
    color:rgb(2, 129, 153)  
}
```

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(2, 129, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 129, 153) }
```

Border

The CSS property to change the border of an element to XYZ 13.6251, 18.0133, 32.8958 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(2, 129, 153) }
```


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

```
.border{ border-color:rgb(2, 129, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 129, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 129, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 129, 153);  
box-shadow:4px 4px 4px 4px rgb(2, 129,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6251, 18.0133, 32.8958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 129, 153) }
```

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

```
.background{ background-color: rgb(2, 129,  
153) }
```

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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