

Converting Colors

XYZ(13.1434, 17.0445, 26.2012)

Have a look what the booklet for
XYZ(13.1434, 17.0445, 26.2012)
contains.

XYZ(13.0882, 16.9253, 26.2440)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.0882, 16.9253,
26.2440)**

Conversions

Conversions Part 1

Format	Color
Hex	337C89
RGB	51, 124, 137
RGB Percent	20%, 49%, 54%
CMY	0.8000, 0.5137, 0.4627
CMYK	0.63, 0.09, 0.00, 0.46
HSL	189°, 46%, 37%
HSV	189°, 63%, 54%
XYZ	13.0882, 16.9253, 26.2440
YIQ	103.6550, -47.6810, -11.4330

Conversions

Conversions Part 2

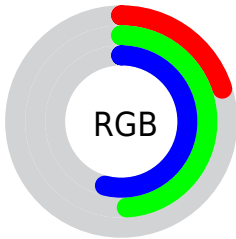
Format	Color
RYB	51, 90, 137
Decimal	3374217
CIELab	48.17, -18.38, -13.84
CIELCh	48, 23.006, 216.972
Yxy	16.9253, 0.2326, 0.3009
Android (android.graphics.Color)	4281564297 (0xFF337C89)
YUV	103.6550, 16.4391, -46.1784
Hunter-Lab	41.1404, -15.2085, -9.0236

Details

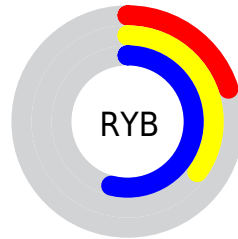
The XYZ color **13.0882, 16.9253, 26.2440** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.7477, 9.2244, 4.2409**, and the grayscale version is **13.0331, 13.7119, 14.9322**.

A 20% lighter version of the original color is **31.0798, 38.2878, 54.4674**, and **4.2364, 5.7203, 9.8977** is the 20% darker color. If you saturate the color by 10%, you get **12.2404, 16.1074, 26.1311**, and if you desaturate by 10%, it is **14.1460, 17.8603, 26.3690**.

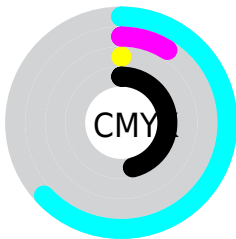
Distribution



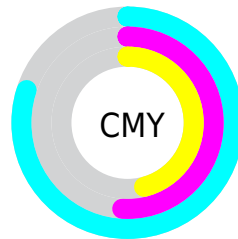
- Red (20%)
- Green (49%)
- Blue (54%)



- Red (20%)
- Yellow (35%)
- Blue (54%)



- Cyan (63%)
- Magenta (9%)
- Yellow (0%)
- Black (46%)



- Cyan (80%)
- Magenta (51%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0882, 16.9253, 26.2440 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 13.0882, 16.9253, 26.2440 by changing the saturation by 10% instead.

■ 13.0882, 16.9253,
26.2440

■ 13.0882, 16.9253,
26.2440

■ 205.1083,
234.7415, 297.6213

■ 7.5667, 10.1812,
16.7789

■ 31.0621, 38.1973,
54.6572

■ 3.8684, 5.5193,
9.9167

■ 44.2453, 53.4940,
74.4424

■ 1.6280, 2.5551,
5.2389

■ 60.7130, 72.4104,
98.5047

■ 0.4105, 0.9041,
2.3269

■ 80.8307, 95.3309,
127.2626

■ 0.0000, 0.0000,
0.7462

■ 104.9638,
122.6399, 161.1346

■ 0.0000, 0.0000,
0.0000

■ 133.4775,

154.7217, 200.5394

166.7372,
191.9608, 245.8955

■ 13.0882, 16.9253,
26.2440

■ 13.0882, 16.9253,
26.2440

■ 12.2404, 16.1074,
26.1311

■ 14.1460, 17.8603,
26.3690

■ 11.5825, 15.3950,
26.0283

■ 15.4284, 18.9188,
26.5058

■ 11.0931, 14.7776,
25.9349

■ 16.9505, 20.1092,
26.6553

■ 10.7947, 14.3647,
25.8709

■ 18.7259, 21.4383,
26.8183

■ 20.7668, 22.9126,
26.9953

■ 23.0848, 24.5380,
27.1868

■ 25.6907, 26.3203,
27.3935

■ 28.5949, 28.2648,
27.6158

■ 31.8070, 30.3764,
27.8541

Harmonies

Analogous

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



12.4223, 16.9253, 19.8598



13.0882, 16.9253, 26.2440



14.5672, 16.9253, 31.1635

Triad

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



13.0882, 16.9253, 26.2440



20.0715, 16.9253, 23.3019



15.6046, 16.9253, 9.2104

Complementary

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



13.0882, 16.9253, 26.2440



12.7477, 9.2244, 4.2409

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.



17.7090, 16.9253, 9.7439



13.0882, 16.9253, 26.2440



20.4097, 16.9253, 17.0682

Square

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



13.0882, 16.9253, 26.2440



18.6241, 16.9253, 29.2245



19.5121, 16.9253, 12.3431



13.7914, 16.9253, 10.6851

Rectangle

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



13.0882, 16.9253, 26.2440



15.8758, 16.9253, 32.4587



19.5121, 16.9253, 12.3431



16.3000, 16.9253, 9.1671

Sweetspot

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



13.0887, 16.9259, 26.2444



34.7056, 39.2473, 48.1295



11.2338, 18.9645, 7.9044



7.5879, 8.6597, 10.7779



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.0887, 16.9259, 26.2444



21.4241, 28.3281, 46.7219



8.8308, 8.4101, 24.8251



5.1095, 5.5620, 6.4101



10.0620, 13.3942, 24.1007



0.0749, 0.1052, 0.1628

Inverse Universe

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



15.1388, 9.1416, 20.0362



25.5936, 13.8503, 33.7919



16.1617, 16.0523, 5.3789



5.2019, 5.1162, 6.1517



12.5656, 6.1364, 16.0147



0.0876, 0.0424, 0.1279

Previews

White Background



This preview shows how the XYZ color 13.0882, 16.9253, 26.2440 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 13.0882, 16.9253, 26.2440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

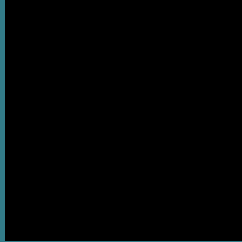
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0882, 16.9253, 26.2440

Background



This preview shows how black text looks on a background with the XYZ color 13.0882, 16.9253, 26.2440.

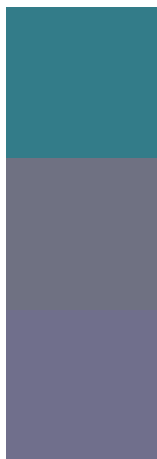


This preview shows how white text looks on a background with the XYZ color 13.0882, 16.9253,

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

13.0882, 16.9253, 26.2440

Protanopia

16.4899, 16.8015, 23.4930

Deuteranopia

17.1002, 16.7071, 27.1345



Tritanopia

12.8261, 16.8146, 25.1238

Trichromacy



Original Color

13.0882, 16.9253, 26.2440

Protanomaly

14.7148, 16.5399, 24.6073

Deuteranomaly

15.1220, 16.5285, 26.8194

Tritanomaly

12.8962, 16.8427, 25.4929

Monochromacy



Original Color

13.0882, 16.9253, 26.2440

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.5831, 14.5611, 18.6704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0882, 16.9253, 26.2440 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(51, 124, 137)` looks like.

```
.text, #text, p{  
    color:rgb(51, 124, 137)  
}
```

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(51, 124, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 124, 137) }
```

Border

The CSS property to change the border of an element to XYZ 13.0882, 16.9253, 26.2440 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(51, 124, 137) }
```


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

```
.border{ border-color:rgb(51, 124, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 124, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 124, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 124, 137);  
box-shadow:4px 4px 4px 4px rgb(51, 124,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0882, 16.9253, 26.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 124, 137) }
```

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

```
.background{ background-color: rgb(51, 124,  
137) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor