

Converting Colors

XYZ(13.2770, 17.5892, 26.3622)

Have a look what the booklet for
XYZ(13.2770, 17.5892, 26.3622)
contains.

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Color

**XYZ(13.2770, 17.5892,
26.3622)**

Conversions

Conversions Part 1

Format	Color
Hex	2F7F89
RGB	47, 127, 137
RGB Percent	18%, 50%, 54%
CMY	0.8157, 0.5020, 0.4627
CMYK	0.66, 0.07, 0.00, 0.46
HSL	187°, 49%, 36%
HSV	187°, 66%, 54%
XYZ	13.2770, 17.5892, 26.3622
YIQ	104.2200, -50.8900, -13.8500

Conversions

Conversions Part 2

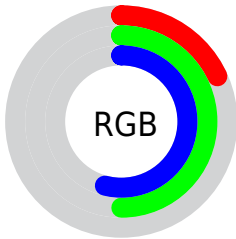
Format	Color
RYB	47, 89, 137
Decimal	3112841
CIELab	48.99, -20.71, -12.59
CIElCh	49, 24.243, 211.300
Yxy	17.5892, 0.2320, 0.3074
Android (android.graphics.Color)	4281302921 (0xFF2F7F89)
YUV	104.2200, 16.1605, -50.1819
Hunter-Lab	41.9395, -16.8854, -7.9107

Details

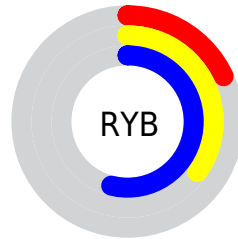
The XYZ color **13.2770, 17.5892, 26.3622** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.2932, 8.4503, 3.6730**, and the grayscale version is **13.1854, 13.8721, 15.1067**.

A 20% lighter version of the original color is **31.3244, 39.3033, 54.6505**, and **4.4447, 6.1369, 9.9671** is the 20% darker color. If you saturate the color by 10%, you get **12.5469, 16.9236, 26.2725**, and if you desaturate by 10%, it is **14.2095, 18.3643, 26.4630**.

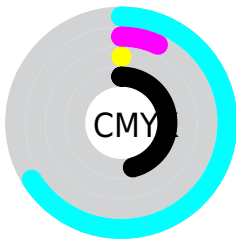
Distribution



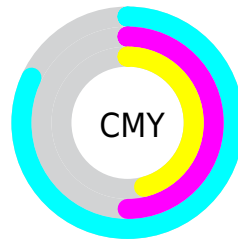
- Red (18%)
- Green (50%)
- Blue (54%)



- Red (18%)
- Yellow (35%)
- Blue (54%)



- Cyan (66%)
- Magenta (7%)
- Yellow (0%)
- Black (46%)



- Cyan (82%)
- Magenta (50%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2770, 17.5892, 26.3622 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 13.2770, 17.5892, 26.3622 by changing the saturation by 10% instead.

■ 13.2770, 17.5892,
26.3622

■ 13.2770, 17.5892,
26.3622

■ 206.2873,
238.5453, 298.2174

■ 7.6979, 10.6555,
16.8666

■ 31.3976, 39.3361,
54.8499

■ 3.9524, 5.8357,
9.9785

■ 44.6699, 54.9180,
74.6791

■ 1.6752, 2.7454,
5.2793

■ 61.2372, 74.1514,
98.7900

■ 0.4407, 1.0003,
2.3504

■ 81.4649, 97.4208,
127.6010

■ 0.0000, 0.0000,
0.7593

■ 105.7184,
125.1105, 161.5307

■ 0.0000, 0.0000,
0.0000

■ 134.3631,

157.6048, 200.9976

167.7643,
195.2883, 246.4204

■ 13.2770, 17.5892,
26.3622

■ 13.2770, 17.5892,
26.3622

■ 12.5469, 16.9236,
26.2725

■ 14.2095, 18.3643,
26.4630

■ 11.9983, 16.3555,
26.1918

■ 15.3595, 19.2557,
26.5744

■ 11.6025, 15.8705,
26.1190

■ 16.7427, 20.2717,
26.6976

■ 11.4479, 15.6711,
26.0887

■ 18.3728, 21.4194,
26.8333

■ 20.2623, 22.7054,
26.9819

■ 22.4230, 24.1357,
27.1441

■ 24.8661, 25.7160,
27.3203

■ 27.6018, 27.4518,
27.5112

■ 30.6400, 29.3481,
27.7171

Harmonies

Analogous

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



12.7436, 17.5892, 19.4351



13.2770, 17.5892, 26.3622



14.7192, 17.5892, 32.2542

Triad

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



13.2770, 17.5892, 26.3622



20.8212, 17.5892, 25.7623



16.6197, 17.5892, 9.2189

Complementary

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



13.2770, 17.5892, 26.3622



12.2932, 8.4503, 3.6730

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.



18.8900, 17.5892, 10.1869



13.2770, 17.5892, 26.3622



21.4432, 17.5892, 18.8710

Square

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



13.2770, 17.5892, 26.3622



19.0757, 17.5892, 31.8566



20.7074, 17.5892, 13.3927



14.5631, 17.5892, 10.3732

Rectangle

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



13.2770, 17.5892, 26.3622



16.0701, 17.5892, 34.2533



20.7074, 17.5892, 13.3927



17.3831, 17.5892, 9.3051

Sweetspot

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



13.2775, 17.5899, 26.3626



34.6186, 39.5350, 48.1896



10.8322, 18.7816, 6.7962



7.5834, 8.7437, 10.7943



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.



13.2775, 17.5899, 26.3626



21.9342, 29.7718, 46.9737



8.7814, 8.5976, 24.8639



5.1262, 5.5954, 6.4157



10.6689, 14.6081, 24.3030



0.0771, 0.1096, 0.1635

Inverse Universe

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



15.1643, 8.8842, 20.9949



25.7477, 13.5161, 35.8236



15.4838, 14.8315, 4.7365



5.2103, 5.1196, 6.1960



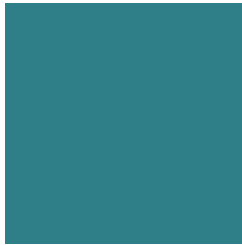
12.8720, 6.2589, 17.6280



0.0887, 0.0428, 0.1338

Previews

White Background



This preview shows how the XYZ color 13.2770, 17.5892, 26.3622 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 13.2770, 17.5892, 26.3622 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 13.2770, 17.5892, 26.3622

Background



This preview shows how black text looks on a background with the XYZ color 13.2770, 17.5892, 26.3622.

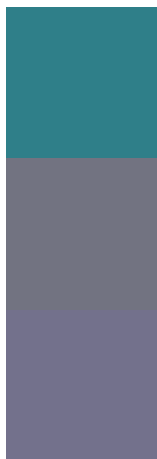


This preview shows how white text looks on a background with the XYZ color 13.2770, 17.5892,

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

13.2770, 17.5892, 26.3622

Protanopia

17.0326, 17.4239, 23.2343

Deuteranopia

17.7090, 17.3485, 27.2262



Tritanopia

13.2770, 17.5892, 26.3622

Trichromacy



Original Color

13.2770, 17.5892, 26.3622

Protanomaly

14.9781, 17.0333, 24.3281

Deuteranomaly

15.3551, 16.9946, 26.8971

Tritanomaly

13.2770, 17.5892, 26.3622

Monochromacy



Original Color

13.2770, 17.5892, 26.3622

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.5138, 14.6883, 18.6986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2770, 17.5892, 26.3622 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(47, 127, 137)` looks like.

```
.text, #text, p{  
    color:rgb(47, 127, 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(47, 127, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 127, 137) }
```

Border

The CSS property to change the border of an element to XYZ 13.2770, 17.5892, 26.3622 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(47, 127, 137) }
```


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

```
.border{ border-color:rgb(47, 127, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 127, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 127, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 127, 137);  
box-shadow:4px 4px 4px 4px rgb(47, 127,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2770, 17.5892, 26.3622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 127, 137) }
```

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

```
.background{ background-color: rgb(47, 127,  
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](#).

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