

Converting Colors

XYZ(13.3759, 18.1988, 27.6187)

Have a look what the booklet for
XYZ(13.3759, 18.1988, 27.6187)
contains.

XYZ(13.3759, 18.1988, 27.6187)	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(13.3759, 18.1988,
27.6187)**

Conversions

Conversions Part 1

Format	Color
Hex	22828C
RGB	34, 130, 140
RGB Percent	13%, 51%, 55%
CMY	0.8666, 0.4902, 0.4510
CMYK	0.76, 0.07, 0.00, 0.45
HSL	186°, 61%, 34%
HSV	186°, 76%, 55%
XYZ	13.3759, 18.1988, 27.6187
YIQ	102.4360, -60.4260, -17.2420

Conversions

Conversions Part 2

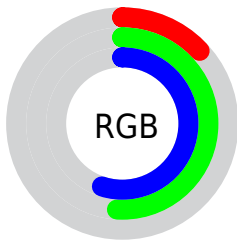
Format	Color
RYB	34, 84, 140
Decimal	2261644
CIELab	49.74, -23.27, -13.26
CIElCh	50, 26.786, 209.683
Yxy	18.1988, 0.2260, 0.3074
Android (android.graphics.Color)	4280451724 (0xFF22828C)
YUV	102.4360, 18.5191, -60.0184
Hunter-Lab	42.6601, -18.6871, -8.5231

Details

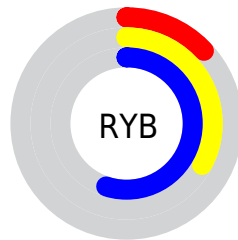
The XYZ color **13.3759, 18.1988, 27.6187** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.0050, 7.4927, 2.3273**, and the grayscale version is **12.7084, 13.3703, 14.5602**.

A 20% lighter version of the original color is **31.6009, 40.3034, 57.1527**, and **4.7141, 6.4755, 10.6743** is the 20% darker color. If you saturate the color by 10%, you get **12.8306, 17.6590, 27.5436**, and if you desaturate by 10%, it is **14.1126, 18.8414, 27.7043**.

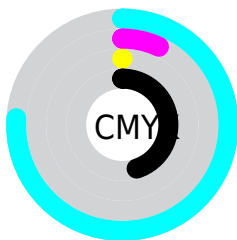
Distribution



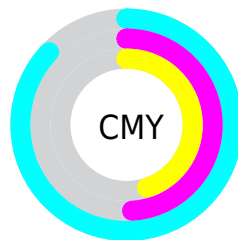
- Red (13%)
- Green (51%)
- Blue (55%)



- Red (13%)
- Yellow (33%)
- Blue (55%)



- Cyan (76%)
- Magenta (7%)
- Yellow (0%)
- Black (45%)



- Cyan (87%)
- Magenta (49%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3759, 18.1988, 27.6187 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 13.3759, 18.1988, 27.6187 by changing the saturation by 10% instead.

■ 13.3759, 18.1988,
27.6187

■ 13.3759, 18.1988,
27.6187

■ 206.9022,
241.9892, 304.4948

■ 7.7667, 11.0928,
17.8019

■ 31.5731, 40.3758,
56.8909

■ 3.9966, 6.1293,
10.6399

■ 44.8917, 56.2156,
77.1833

■ 1.7002, 2.9239,
5.7141

■ 61.5109, 75.7354,
101.8047

■ 0.4564, 1.0921,
2.6061

■ 81.7960, 99.3197,
131.1735

■ 0.0000, 0.0000,
0.8956

■ 106.1123,
127.3528, 165.7085

■ 0.0000, 0.0000,
0.0000

■ 134.8252,

160.2192, 205.8279

168.3000,
198.3032, 251.9505

■ 13.3759, 18.1988,
27.6187

■ 13.3759, 18.1988,
27.6187

■ 12.8306, 17.6590,
27.5436

■ 14.1126, 18.8414,
27.7043

■ 12.4449, 17.2043,
27.4762

■ 15.0594, 19.5954,
27.7999

■ 12.2965, 17.0191,
27.4482

■ 16.2348, 20.4705,
27.9068

■ 17.6545, 21.4749,
28.0259

■ 19.3330, 22.6162,
28.1577

■ 21.2836, 23.9012,
28.3029

■ 23.5188, 25.3363,
28.4621

■ 26.0501, 26.9275,
28.6358

■ 28.8885, 28.6804,
28.8246

Harmonies

Analogous

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



12.8409, 18.1988, 19.7377



13.3759, 18.1988, 27.6187



14.9374, 18.1988, 34.5862

Triad

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



13.3759, 18.1988, 27.6187



21.8872, 18.1988, 27.7872



17.3246, 18.1988, 8.8249

Complementary

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



13.3759, 18.1988, 27.6187



12.0050, 7.4927, 2.3273

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.



19.8938, 18.1988, 9.9933



13.3759, 18.1988, 27.6187



22.6814, 18.1988, 19.8933

Square

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



13.3759, 18.1988, 27.6187



19.8422, 18.1988, 34.6991



21.9190, 18.1988, 13.6406



14.9801, 18.1988, 9.9441

Rectangle

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



13.3759, 18.1988, 27.6187



16.4336, 18.1988, 37.1008



21.9190, 18.1988, 13.6406



18.1910, 18.1988, 8.9579

Sweetspot

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



13.3765, 18.1995, 27.6191



34.8076, 40.3549, 49.6977



10.4712, 19.2698, 5.4375



7.7800, 9.1382, 11.4332



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.3765, 18.1995, 27.6191



22.1114, 30.5450, 48.4733



8.1301, 7.7066, 25.8703



5.1332, 5.6094, 6.4180



10.9335, 15.1374, 24.3912



0.0781, 0.1114, 0.1638

Inverse Universe

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



15.4170, 8.3317, 21.9154



26.0954, 12.9443, 36.9634



15.2721, 14.0269, 3.4163



5.2139, 5.1210, 6.2146



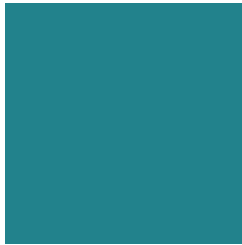
13.0055, 6.3123, 18.3314



0.0891, 0.0430, 0.1362

Previews

White Background



This preview shows how the XYZ color 13.3759, 18.1988, 27.6187 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 13.3759, 18.1988, 27.6187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

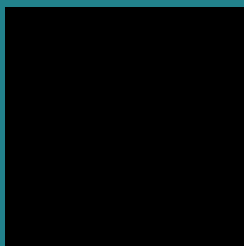
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.3759, 18.1988, 27.6187

Background



This preview shows how black text looks on a background with the XYZ color 13.3759, 18.1988, 27.6187.

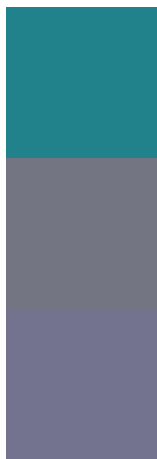


This preview shows how white text looks on a background with the XYZ color 13.3759, 18.1988,

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

13.3759, 18.1988, 27.6187

Protanopia

17.6605, 18.0743, 24.0306

Deuteranopia

18.2911, 17.9576, 28.4887



Tritanopia

13.3759, 18.1988, 27.6187

Trichromacy



Original Color

13.3759, 18.1988, 27.6187

Protanomaly

15.1004, 17.6187, 25.1591

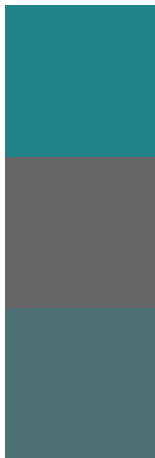
Deuteranomaly

15.4367, 17.3644, 28.1292

Tritanomaly

13.3759, 18.1988, 27.6187

Monochromacy



Original Color

13.3759, 18.1988, 27.6187

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.0071, 14.4271, 18.6749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3759, 18.1988, 27.6187 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(34, 130, 140)` looks like.

```
.text, #text, p{  
    color:rgb(34, 130, 140)  
}
```

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(34, 130, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 130, 140) }
```

Border

The CSS property to change the border of an element to XYZ 13.3759, 18.1988, 27.6187 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(34, 130, 140) }
```


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

```
.border{ border-color:rgb(34, 130, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 130, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 130, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 130, 140);  
box-shadow:4px 4px 4px 4px rgb(34, 130,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3759, 18.1988, 27.6187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 130, 140) }
```

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

```
.background{ background-color: rgb(34, 130,  
140) }
```

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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