

Converting Colors

XYZ(13.7071, 20.3718, 21.7801)

Have a look what the booklet for
XYZ(13.7071, 20.3718, 21.7801)
contains.

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Color

**XYZ(13.6599, 20.3418,
21.6188)**

Conversions

Conversions Part 1

Format	Color
Hex	298B7A
RGB	41, 139, 122
RGB Percent	16%, 55%, 48%
CMY	0.8392, 0.4549, 0.5216
CMYK	0.71, 0.00, 0.12, 0.45
HSL	170°, 54%, 35%
HSV	170°, 71%, 55%
XYZ	13.6599, 20.3418, 21.6188
YIQ	107.7600, -52.9510, -26.0630

Conversions

Conversions Part 2

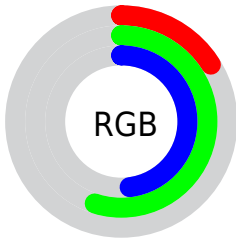
Format	Color
RYB	41, 95, 139
Decimal	2722682
CIELab	52.22, -32.16, 0.95
CIELCh	52, 32.169, 178.315
Yxy	20.3418, 0.2456, 0.3657
Android (android.graphics.Color)	4280912762 (0xFF298B7A)
YUV	107.7600, 7.0203, -58.5485
Hunter-Lab	45.1019, -24.8664, 3.1517

Details

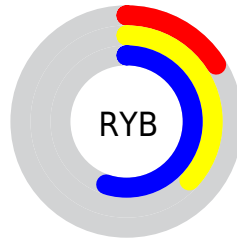
The XYZ color **13.6599, 20.3418, 21.6188** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.2048, 7.3808, 4.7850**, and the grayscale version is **14.1788, 14.9172, 16.2449**.

A 20% lighter version of the original color is **32.0768, 43.9626, 46.8394**, and **4.6923, 7.4605, 7.4960** is the 20% darker color. If you saturate the color by 10%, you get **13.0530, 20.0465, 20.8204**, and if you desaturate by 10%, it is **14.4675, 20.7411, 22.4468**.

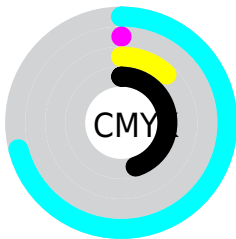
Distribution



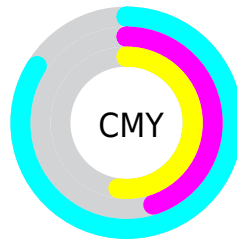
- Red (16%)
- Green (55%)
- Blue (48%)



- Red (16%)
- Yellow (37%)
- Blue (55%)



- Cyan (71%)
- Magenta (0%)
- Yellow (12%)
- Black (45%)



- Cyan (84%)
- Magenta (45%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6599, 20.3418, 21.6188 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 13.6599, 20.3418, 21.6188 by changing the saturation by 10% instead.

■ 13.6599, 20.3418,
21.6188

■ 13.6599, 20.3418,
21.6188

208.6579,
253.7595, 273.4373

■ 7.9646, 12.6437,
13.3814

■ 32.0757, 43.9895,
47.0092

■ 4.1239, 7.1837,
7.5579

■ 45.5269, 60.7079,
64.9994

■ 1.7725, 3.5772,
3.7297

■ 62.2941, 81.2019,
87.0775

■ 0.5010, 1.4400,
1.4783

■ 82.7427, 105.8559,
113.6622

■ 0.0000, 0.2459,
0.2017

■ 107.2380,
135.0543, 145.1720

■ 0.0000, 0.0000,
0.0000

■ 136.1454,

169.1814, 182.0254

169.8303,
208.6217, 224.6410

■ 13.6599, 20.3418,
21.6188

■ 13.6599, 20.3418,
21.6188

■ 13.0530, 20.0465,
20.8204

■ 14.4675, 20.7411,
22.4468

■ 12.6233, 19.8416,
20.0491

■ 15.4926, 21.2517,
23.3041

■ 12.3210, 19.7012,
19.3391

■ 16.7523, 21.8828,
24.1919

■ 18.2614, 22.6419,
25.1112

■ 20.0335, 23.5363,
26.0627

■ 22.0812, 24.5722,
27.0472

■ 24.4163, 25.7559,
28.0652

■ 27.0499, 27.0930,
29.1175

■ 29.9925, 28.5889,
30.2047

Harmonies

Analogous

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



14.4217, 20.3418, 13.9091



13.6599, 20.3418, 21.6188



14.2688, 20.3418, 31.9351

Triad

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



13.6599, 20.3418, 21.6188



22.5029, 20.3418, 42.3083



22.8623, 20.3418, 10.0044

Complementary

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



13.6599, 20.3418, 21.6188



12.2048, 7.3808, 4.7850

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.



25.4757, 20.3418, 14.5988



13.6599, 20.3418, 21.6188



25.2522, 20.3418, 33.1307

Square

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



13.6599, 20.3418, 21.6188



19.1483, 20.3418, 45.7321



26.3958, 20.3418, 22.6873



19.5214, 20.3418, 8.4972

Rectangle

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



13.6599, 20.3418, 21.6188



15.4139, 20.3418, 38.6813



26.3958, 20.3418, 22.6873



23.8686, 20.3418, 11.1603

Sweetspot

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



13.6605, 20.3426, 21.6193



35.5512, 41.9841, 46.5069



11.4351, 19.5549, 5.2699



8.0074, 9.5810, 10.6204



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.



13.6605, 20.3426, 21.6193



22.8523, 35.6481, 36.4022



10.9343, 13.0543, 26.3704



5.1362, 5.6740, 6.2384



11.1254, 17.7827, 17.4829



0.0784, 0.1199, 0.1401

Inverse Universe

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



12.2048, 7.3808, 4.7850



20.1258, 10.8859, 4.5127



13.3679, 10.2887, 3.3795



5.0660, 5.0618, 5.4360



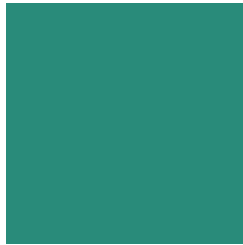
9.7645, 5.0159, 1.2643



0.0687, 0.0348, 0.0285

Previews

White Background



This preview shows how the XYZ color 13.6599, 20.3418, 21.6188 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 13.6599, 20.3418, 21.6188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

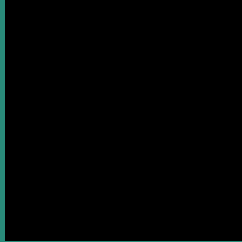
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.6599, 20.3418, 21.6188

Background



This preview shows how black text looks on a background with the XYZ color 13.6599, 20.3418, 21.6188.

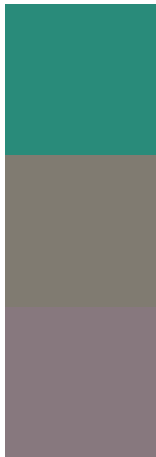


This preview shows how white text looks on a background with the XYZ color 13.6599, 20.3418,

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

13.6599, 20.3418, 21.6188

Protanopia

18.9657, 19.9474, 18.4734

Deuteranopia

20.4740, 20.0902, 22.5374



Tritanopia

15.3736, 20.1875, 30.2804

Trichromacy



Original Color

13.6599, 20.3418, 21.6188

Protanomaly

15.8265, 19.4483, 19.4427

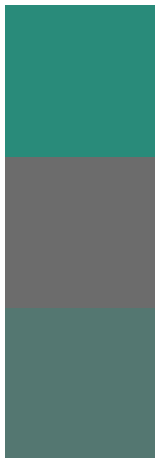
Deuteranomaly

16.6579, 19.4261, 22.2737

Tritanomaly

14.5861, 20.0674, 26.7715

Monochromacy



Original Color

13.6599, 20.3418, 21.6188

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.2336, 16.2707, 18.0659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6599, 20.3418, 21.6188 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(41, 139, 122)` looks like.

```
.text, #text, p{  
    color:rgb(41, 139, 122)  
}
```

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(41, 139, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 139, 122) }
```

Border

The CSS property to change the border of an element to XYZ 13.6599, 20.3418, 21.6188 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(41, 139, 122) }
```


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

```
.border{ border-color:rgb(41, 139, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 139, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 139, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 139, 122);  
box-shadow:4px 4px 4px 4px rgb(41, 139,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6599, 20.3418, 21.6188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 139, 122) }
```

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

```
.background{ background-color: rgb(41, 139,  
122) }
```

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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