

Converting Colors

XYZ(16.9228, 21.5809, 33.4114)

Have a look what the booklet for
XYZ(16.9228, 21.5809, 33.4114)
contains.

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Color

**XYZ(16.8881, 21.5336,
33.4033)**

Conversions

Conversions Part 1

Format	Color
Hex	3F8A99
RGB	63, 138, 153
RGB Percent	25%, 54%, 60%
CMY	0.7529, 0.4588, 0.4000
CMYK	0.59, 0.10, 0.00, 0.40
HSL	190°, 42%, 42%
HSV	190°, 59%, 60%
XYZ	16.8881, 21.5336, 33.4033
YIQ	117.2850, -49.5150, -11.2350

Conversions

Conversions Part 2

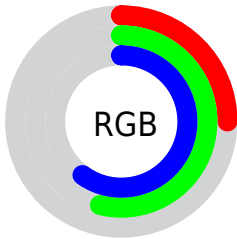
Format	Color
RYB	63, 104, 153
Decimal	4164249
CIELab	53.53, -18.60, -15.01
CIELCh	54, 23.901, 218.907
Yxy	21.5336, 0.2351, 0.2998
Android (android.graphics.Color)	4282354329 (0xFF3F8A99)
YUV	117.2850, 17.6075, -47.6079
Hunter-Lab	46.4043, -16.2453, -10.1958

Details

The XYZ color **16.8881, 21.5336, 33.4033** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.7589, 12.5805, 6.2482**, and the grayscale version is **16.9556, 17.8386, 19.4262**.

A 20% lighter version of the original color is **37.7199, 46.1262, 65.9467**, and **5.8880, 7.9388, 13.7924** is the 20% darker color. If you saturate the color by 10%, you get **15.6821, 20.3756, 33.2437**, and if you desaturate by 10%, it is **18.3756, 22.8504, 33.5795**.

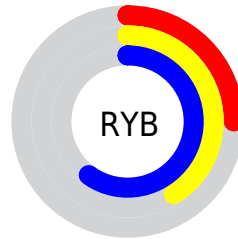
Distribution



Red (25%)

Green (54%)

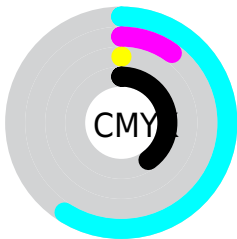
Blue (60%)



Red (25%)

Yellow (41%)

Blue (60%)

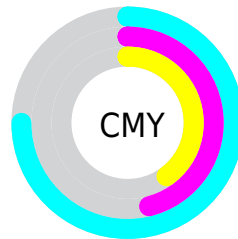


Cyan (59%)

Magenta (10%)

Yellow (0%)

Black (40%)



Cyan (75%)

Magenta (46%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8881, 21.5336, 33.4033 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 16.8881, 21.5336, 33.4033 by changing the saturation by 10% instead.

■ 16.8881, 21.5336,
33.4033

■ 16.8881, 21.5336,
33.4033

227.6955,
260.1008, 332.1507

■ 10.2495, 13.5146,
22.1619

■ 37.6784, 45.9739,
66.1279

■ 5.6283, 7.7838,
13.7765

■ 52.5609, 63.1640,
88.4483

■ 2.6589, 3.9570,
7.8284

■ 70.9220, 84.1800,
115.2987

■ 0.9761, 1.6495,
3.8991

■ 93.1272, 109.4061,
147.0977

■ 0.0000, 0.3906,
1.5702

■ 119.5418,
139.2269, 184.2639

■ 0.0000, 0.0000,
0.2694

150.5312,

■ 0.0000, 0.0000,

174.0267, 227.2157

0.0000

186.4606,
214.1899, 276.3718

■ 16.8881, 21.5336,
33.4033

■ 16.8881, 21.5336,
33.4033

■ 15.6821, 20.3756,
33.2437

■ 18.3756, 22.8504,
33.5795

■ 14.7323, 19.3619,
33.0981

■ 20.1632, 24.3343,
33.7717

■ 14.0125, 18.4793,
32.9657

■ 22.2700, 25.9957,
33.9813

■ 13.4659, 17.6985,
32.8438

■ 24.7131, 27.8434,
34.2092

■ 13.4042, 17.6087,
32.8297

■ 27.5084, 29.8858,
34.4561

■ 30.6705, 32.1304,
34.7227

■ 34.2135, 34.5847,
35.0097

■ 38.1506, 37.2554,
35.3177

■ 42.4942, 40.1492,
35.6473

Harmonies

Analogous

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



16.0004, 21.5336, 25.6855



16.8881, 21.5336, 33.4033



18.7549, 21.5336, 39.1157

Triad

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



16.8881, 21.5336, 33.4033



25.3841, 21.5336, 28.8643



19.7182, 21.5336, 12.1414

Complementary

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



16.8881, 21.5336, 33.4033



16.7589, 12.5805, 6.2482

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.



22.2804, 21.5336, 12.6450



16.8881, 21.5336, 33.4033



25.6960, 21.5336, 21.3414

Square

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



16.8881, 21.5336, 33.4033



23.6991, 21.5336, 36.1402



24.5189, 21.5336, 15.6954



17.5430, 21.5336, 14.1389

Rectangle

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



16.8881, 21.5336, 33.4033



20.3738, 21.5336, 40.4487



24.5189, 21.5336, 15.6954



20.5606, 21.5336, 12.0343

Sweetspot

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



16.8888, 21.5344, 33.4038



44.4767, 50.0262, 61.2838



14.7636, 24.3685, 10.8551



9.5455, 10.8411, 13.5069



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.



16.8888, 21.5344, 33.4038



27.4247, 35.8110, 59.4388



11.8475, 11.4519, 31.7234



6.2969, 6.8513, 7.9195



11.0990, 14.5946, 27.1398



0.1865, 0.2592, 0.4126

Inverse Universe

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



19.5024, 12.1629, 25.3654



32.7974, 18.2320, 42.5360



20.9329, 20.9284, 7.6395



6.4170, 6.3060, 7.5760



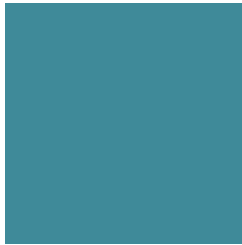
14.0610, 6.8786, 17.3781



0.2206, 0.1070, 0.3144

Previews

White Background



This preview shows how the XYZ color 16.8881, 21.5336, 33.4033 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 16.8881, 21.5336, 33.4033 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 16.8881, 21.5336, 33.4033

Background



This preview shows how black text looks on a background with the XYZ color 16.8881, 21.5336, 33.4033.

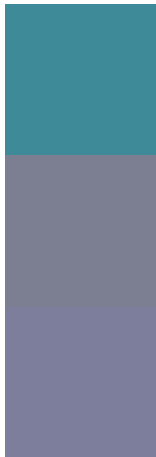


This preview shows how white text looks on a background with the XYZ color 16.8881, 21.5336,

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

16.8881, 21.5336, 33.4033

Protanopia

20.8839, 21.2511, 29.7892

Deuteranopia

21.7918, 21.4275, 34.4399



Tritanopia

16.7242, 21.6914, 32.1596

Trichromacy



Original Color

16.8881, 21.5336, 33.4033

Protanomaly

18.8074, 20.9282, 31.0653

Deuteranomaly

19.3785, 21.1566, 34.0726

Tritanomaly

16.8051, 21.7237, 32.5855

Monochromacy



Original Color

16.8881, 21.5336, 33.4033

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.2926, 18.8203, 23.8931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8881, 21.5336, 33.4033 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(63, 138, 153)` looks like.

```
.text, #text, p{  
    color:rgb(63, 138, 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(63, 138, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 138, 153) }
```

Border

The CSS property to change the border of an element to XYZ 16.8881, 21.5336, 33.4033 is called "border". The border property can be set on classes, ids or directly on the HTML element.

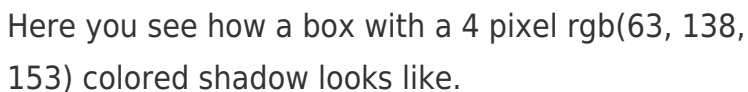
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(63, 138, 153) }
```


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

```
.border{ border-color:rgb(63, 138, 153) }
```

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



Here you see how a box with a 4 pixel `rgb(63, 138, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(63, 138, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(63, 138, 153); box-shadow:4px 4px 4px 4px rgb(63, 138, 153) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8881, 21.5336, 33.4033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 138, 153) }
```

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

```
.background{ background-color: rgb(63, 138,  
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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