

Converting Colors

XYZ(16.8697, 22.5565, 31.3161)

Have a look what the booklet for
XYZ(16.8697, 22.5565, 31.3161)
contains.

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Color

**XYZ(16.9714, 22.7128,
31.5065)**

Conversions

Conversions Part 1

Format	Color
Hex	3B8F94
RGB	59, 143, 148
RGB Percent	23%, 56%, 58%
CMY	0.7686, 0.4392, 0.4196
CMYK	0.60, 0.03, 0.00, 0.42
HSL	183°, 43%, 41%
HSV	183°, 60%, 58%
XYZ	16.9714, 22.7128, 31.5065
YIQ	118.4540, -51.6690, -16.2530

Conversions

Conversions Part 2

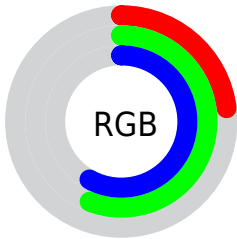
Format	Color
R_{YB}	59, 102, 148
Decimal	3903380
CIE _{Lab}	54.78, -23.51, -10.26
CIE _{LCh}	55, 25.652, 203.573
Yxy	22.7128, 0.2384, 0.3190
Android (android.graphics.Color)	4282093460 (0xFF3B8F94)
YUV	118.4540, 14.5662, -52.1412
Hunter-Lab	47.6579, -19.8360, -5.8358

Details

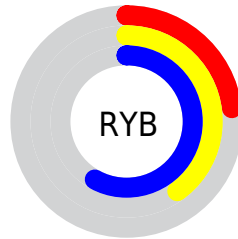
The XYZ color **16.9714, 22.7128, 31.5065** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.8361, 10.2791, 5.3405**, and the grayscale version is **17.3303, 18.2329, 19.8556**.

A 20% lighter version of the original color is **37.8294, 47.9098, 63.1308**, and **5.9848, 8.5174, 12.6378** is the 20% darker color. If you saturate the color by 10%, you get **16.0913, 22.0750, 31.4302**, and if you desaturate by 10%, it is **18.1025, 23.4824, 31.5958**.

Distribution



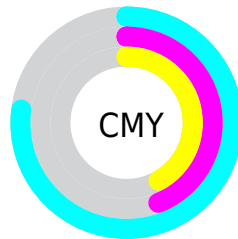
- Red (23%)
- Green (56%)
- Blue (58%)



- Red (23%)
- Yellow (40%)
- Blue (58%)



- Cyan (60%)
- Magenta (3%)
- Yellow (0%)
- Black (42%)



- Cyan (77%)
- Magenta (44%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9714, 22.7128, 31.5065 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 16.9714, 22.7128, 31.5065 by changing the saturation by 10% instead.

■ 16.9714, 22.7128,
31.5065

■ 16.9714, 22.7128,
31.5065

228.1670,
266.2464, 323.2882

■ 10.3093, 14.3816,
20.7231

■ 37.8206, 47.9213,
63.1255

■ 5.6683, 8.3865,
12.7325

■ 52.7384, 65.5674,
84.7983

■ 2.6832, 4.3433,
7.1161

■ 71.1387, 87.0872,
110.9379

■ 0.9885, 1.8674,
3.4552

■ 93.3871, 112.8652,
141.9630

■ 0.0000, 0.5287,
1.3315

■ 119.8487,
143.2857, 178.2920

■ 0.0000, 0.0000,
0.0874

150.8890,

■ 0.0000, 0.0000,

178.7332, 220.3435

0.0000

186.8733,
219.5919, 268.5360

■ 16.9714, 22.7128,
31.5065

■ 16.9714, 22.7128,
31.5065

■ 16.0913, 22.0750,
31.4302

■ 18.1025, 23.4824,
31.5958

■ 15.4386, 21.5553,
31.3643

■ 19.5017, 24.3910,
31.6975

■ 14.9885, 21.1414,
31.3081

■ 21.1869, 25.4485,
31.8128

■ 14.6779, 20.8032,
31.2592

■ 23.1740, 26.6630,
31.9425

■ 25.4776, 28.0420,
32.0872

■ 28.1114, 29.5926,
32.2477

■ 31.0883, 31.3216,
32.4245

■ 34.4205, 33.2350,
32.6182

■ 38.1196, 35.3390,
32.8294

Harmonies

Analogous

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



16.6160, 22.7128, 23.0254



16.9714, 22.7128, 31.5065



18.5130, 22.7128, 39.5213

Triad

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



16.9714, 22.7128, 31.5065



26.2726, 22.7128, 35.1953



22.2032, 22.7128, 12.2444

Complementary

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



16.9714, 22.7128, 31.5065



14.8361, 10.2791, 5.3405

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.



24.9856, 22.7128, 14.1845



16.9714, 22.7128, 31.5065



27.4640, 22.7128, 26.5175

Square

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



16.9714, 22.7128, 31.5065



23.8397, 22.7128, 41.9559



26.9736, 22.7128, 19.0029



19.4824, 22.7128, 13.0132

Rectangle

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



16.9714, 22.7128, 31.5065



20.0842, 22.7128, 42.9087



26.9736, 22.7128, 19.0029



23.1647, 22.7128, 12.5846

Sweetspot

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



16.9721, 22.7137, 31.5070



41.5677, 47.4546, 56.4034



13.3040, 22.4741, 8.4063



9.2562, 10.6922, 12.8608



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.9721, 22.7137, 31.5070



27.9688, 38.6244, 55.4157



11.6162, 12.0019, 29.7217



5.9365, 6.5070, 7.4128



12.5438, 17.7823, 26.7022



0.1604, 0.2313, 0.3291

Inverse Universe

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



18.7352, 11.4077, 27.2019



31.4481, 17.1458, 46.7335



18.3601, 17.3270, 6.5152



6.0214, 5.9036, 7.2188



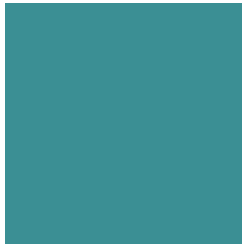
14.4586, 6.9885, 21.6938



0.1804, 0.0869, 0.2837

Previews

White Background



This preview shows how the XYZ color 16.9714, 22.7128, 31.5065 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 16.9714, 22.7128, 31.5065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

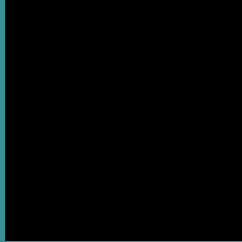
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.9714, 22.7128, 31.5065

Background



This preview shows how black text looks on a background with the XYZ color 16.9714, 22.7128, 31.5065.

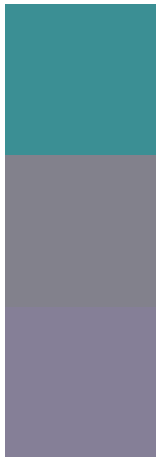


This preview shows how white text looks on a background with the XYZ color 16.9714, 22.7128,

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

16.9714, 22.7128, 31.5065

Protanopia

21.7898, 22.3398, 27.9745

Deuteranopia

22.8482, 22.3997, 32.3975



Tritanopia

17.4302, 22.6712, 34.0292

Trichromacy



Original Color

16.9714, 22.7128, 31.5065

Protanomaly

19.1919, 21.9764, 29.2170

Deuteranomaly

19.8364, 22.0412, 32.0631

Tritanomaly

17.2040, 22.5737, 33.1562

Monochromacy



Original Color

16.9714, 22.7128, 31.5065

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.4816, 19.3051, 23.6265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9714, 22.7128, 31.5065 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(59, 143, 148)` looks like.

```
.text, #text, p{  
    color:rgb(59, 143, 148)  
}
```

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(59, 143, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 143, 148) }
```

Border

The CSS property to change the border of an element to XYZ 16.9714, 22.7128, 31.5065 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(59, 143, 148) }
```


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

```
.border{ border-color:rgb(59, 143, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 143, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 143, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 143, 148);  
box-shadow:4px 4px 4px 4px rgb(59, 143,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9714, 22.7128, 31.5065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 143, 148) }
```

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

```
.background{ background-color: rgb(59, 143,  
148) }
```

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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