

Converting Colors

XYZ(16.9815, 23.2205, 29.2646)

Have a look what the booklet for
XYZ(16.9815, 23.2205, 29.2646)
contains.

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Color

**XYZ(16.9945, 23.2279,
29.1789)**

Conversions

Conversions Part 1

Format	Color
Hex	3E918E
RGB	62, 145, 142
RGB Percent	24%, 57%, 56%
CMY	0.7568, 0.4314, 0.4431
CMYK	0.57, 0.00, 0.02, 0.43
HSL	178°, 40%, 41%
HSV	178°, 57%, 57%
XYZ	16.9945, 23.2279, 29.1789
YIQ	119.8410, -48.5050, -18.5290

Conversions

Conversions Part 2

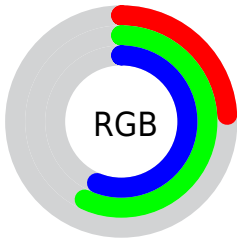
Format	Color
RYB	62, 104, 145
Decimal	4100494
CIELab	55.31, -25.67, -6.00
CIELCh	55, 26.364, 193.158
Yxy	23.2279, 0.2449, 0.3347
Android (android.graphics.Color)	4282290574 (0xFF3E918E)
YUV	119.8410, 10.9244, -50.7266
Hunter-Lab	48.1953, -21.3997, -2.1592

Details

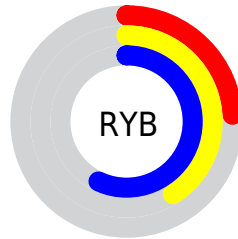
The XYZ color **16.9945, 23.2279, 29.1789** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.3546, 9.8474, 6.1461**, and the grayscale version is **17.7798, 18.7057, 20.3706**.

A 20% lighter version of the original color is **37.8584, 48.6839, 59.6261**, and **5.9345, 8.7781, 11.5068** is the 20% darker color. If you saturate the color by 10%, you get **16.1647, 22.8052, 28.9355**, and if you desaturate by 10%, it is **18.0685, 23.7776, 29.4357**.

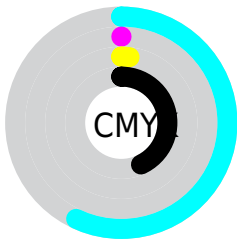
Distribution



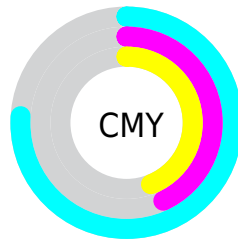
- Red (24%)
- Green (57%)
- Blue (56%)



- Red (24%)
- Yellow (41%)
- Blue (57%)



- Cyan (57%)
- Magenta (0%)
- Yellow (2%)
- Black (43%)



- Cyan (76%)
- Magenta (43%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9945, 23.2279, 29.1789 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 16.9945, 23.2279, 29.1789 by changing the saturation by 10% instead.

■ 16.9945, 23.2279,
29.1789

■ 16.9945, 23.2279,
29.1789

228.2975,
268.8934, 312.1454

■ 10.3258, 14.7619,
18.9695

■ 37.8600, 48.7673,
59.4068

■ 5.6795, 8.6524,
11.4716

■ 52.7875, 66.6094,
80.2623

■ 2.6900, 4.5152,
6.2669

■ 71.1988, 88.3457,
105.5036

■ 0.9920, 1.9657,
2.9366

■ 93.4590, 114.3605,
135.5492

■ 0.0000, 0.5874,
1.0624

■ 119.9337,
145.0383, 170.8176

■ 0.0000, 0.0000,
0.0000

150.9881,

180.7635, 211.7274

186.9876,
221.9204, 258.6972

■ 16.9945, 23.2279,
29.1789

■ 16.9945, 23.2279,
29.1789

■ 16.1647, 22.8052,
28.9355

■ 18.0685, 23.7776,
29.4357

■ 15.5572, 22.4966,
28.7030

■ 19.4023, 24.4606,
29.7051

■ 15.1500, 22.2911,
28.4809

■ 21.0125, 25.2860,
29.9884

■ 14.9024, 22.1679,
28.2671

■ 22.9138, 26.2616,
30.2863

■ 14.8416, 22.1378,
28.2086

■ 25.1198, 27.3942,
30.5994

■ 27.6434, 28.6905,
30.9284

■ 30.4966, 30.1567,
31.2738

■ 33.6908, 31.7986,
31.6361

■ 37.2370, 33.6220,
32.0158

Harmonies

Analogous

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



17.0740, 23.2279, 20.8639



16.9945, 23.2279, 29.1789



18.1870, 23.2279, 38.1331

Triad

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



16.9945, 23.2279, 29.1789



26.1960, 23.2279, 39.1138



23.7647, 23.2279, 12.6959

Complementary

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



16.9945, 23.2279, 29.1789



14.3546, 9.8474, 6.1461

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.



26.4865, 23.2279, 15.7144



16.9945, 23.2279, 29.1789



27.9737, 23.2279, 30.3043

Square

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



16.9945, 23.2279, 29.1789



23.3961, 23.2279, 44.6735



28.0845, 23.2279, 21.7652



20.8092, 23.2279, 12.5257

Rectangle

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



16.9945, 23.2279, 29.1789



19.6102, 23.2279, 42.7640



28.0845, 23.2279, 21.7652



24.7433, 23.2279, 13.3742

Sweetspot

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



16.9952, 23.2288, 29.1794



40.9915, 47.0073, 54.2302



13.2525, 21.7630, 8.0602



8.9787, 10.3853, 12.0430



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.9952, 23.2288, 29.1794



28.5580, 40.6411, 51.6822



12.4240, 13.7208, 28.7826



5.5520, 6.1130, 6.8724



12.7319, 18.9886, 24.2059



0.1234, 0.1822, 0.2404

Inverse Universe

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



14.3546, 9.8474, 6.1461



23.3531, 14.2181, 6.2463



17.0425, 15.3586, 6.6243



5.4163, 5.4270, 5.6902



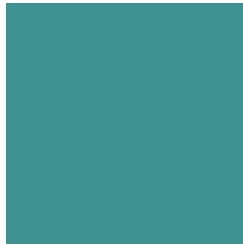
10.0426, 5.1741, 0.6097



0.0973, 0.0500, 0.0125

Previews

White Background



This preview shows how the XYZ color 16.9945, 23.2279, 29.1789 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 16.9945, 23.2279, 29.1789 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 16.9945, 23.2279, 29.1789

Background



This preview shows how black text looks on a background with the XYZ color 16.9945, 23.2279, 29.1789.

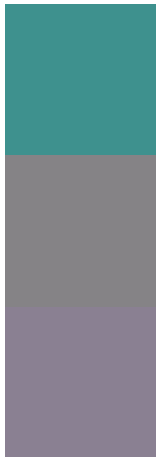


This preview shows how white text looks on a background with the XYZ color 16.9945, 23.2279,

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

16.9945, 23.2279, 29.1789

Protanopia

22.0922, 22.9404, 25.8178

Deuteranopia

23.3887, 22.9169, 30.3848



Tritanopia

18.0536, 23.2048, 34.5378

Trichromacy



Original Color

16.9945, 23.2279, 29.1789

Protanomaly

19.3829, 22.5403, 26.9960

Deuteranomaly

20.0663, 22.4095, 30.0559

Tritanomaly

17.6583, 23.2723, 32.4155

Monochromacy



Original Color

16.9945, 23.2279, 29.1789

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.8921, 19.9117, 23.3751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9945, 23.2279, 29.1789 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(62, 145, 142)` looks like.

```
.text, #text, p{  
    color:rgb(62, 145, 142)  
}
```

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(62, 145, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 145, 142) }
```

Border

The CSS property to change the border of an element to XYZ 16.9945, 23.2279, 29.1789 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(62, 145, 142) }
```


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

```
.border{ border-color:rgb(62, 145, 142) }
```

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

Here you see how a box with a 4 pixel rgb(62, 145, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 145, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 145, 142);  
box-shadow:4px 4px 4px 4px rgb(62, 145,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9945, 23.2279, 29.1789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 145, 142) }
```

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

```
.background{ background-color: rgb(62, 145,  
142) }
```

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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