

Converting Colors

XYZ(22.9939, 29.2480, 19.5273)

Have a look what the booklet for
XYZ(22.9939, 29.2480, 19.5273)
contains.

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Color

**XYZ(22.9261, 29.1356,
19.4543)**

Conversions

Conversions Part 1

Format	Color
Hex	7B9C6F
RGB	123, 156, 111
RGB Percent	48%, 61%, 44%
CMY	0.5176, 0.3882, 0.5647
CMYK	0.21, 0.00, 0.29, 0.39
HSL	104°, 19%, 52%
HSV	104°, 29%, 61%
XYZ	22.9261, 29.1356, 19.4543
YIQ	141.0030, -5.2230, -20.9910

Conversions

Conversions Part 2

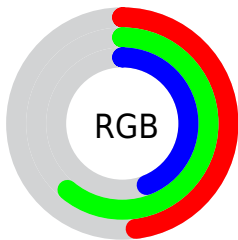
Format	Color
R_{YB}	111, 156, 144
Decimal	8100975
CIE _{Lab}	60.90, -20.23, 19.94
CIE _{LCh}	61, 28.404, 135.406
Yxy	29.1356, 0.3206, 0.4074
Android (android.graphics.Color)	4286291055 (0xFF7B9C6F)
YUV	141.0030, -14.7915, -15.7886
Hunter-Lab	53.9774, -18.6452, 16.4151

Details

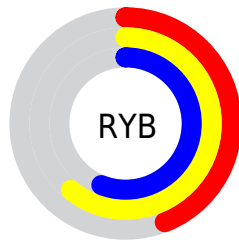
The XYZ color **22.9261, 29.1356, 19.4543** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.1880, 19.6993, 34.0343**, and the grayscale version is **25.3769, 26.6985, 29.0746**.

A 20% lighter version of the original color is **47.8096, 58.4630, 43.4150**, and **8.6964, 11.8785, 6.5371** is the 20% darker color. If you saturate the color by 10%, you get **20.5991, 28.0276, 15.2465**, and if you desaturate by 10%, it is **25.5959, 30.4047, 24.4625**.

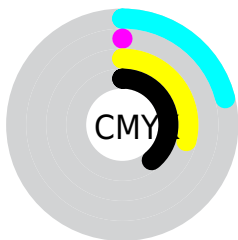
Distribution



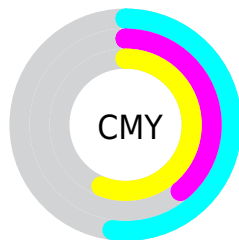
- Red (48%)
- Green (61%)
- Blue (44%)



- Red (44%)
- Yellow (61%)
- Blue (56%)



- Cyan (21%)
- Magenta (0%)
- Yellow (29%)
- Black (39%)



- Cyan (52%)
- Magenta (39%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9261, 29.1356, 19.4543 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 22.9261, 29.1356, 19.4543 by changing the saturation by 10% instead.

■ 22.9261, 29.1356,
19.4543

■ 22.9261, 29.1356,
19.4543

259.8876,
297.8542, 261.4512

■ 14.6593, 19.1834,
11.8189

■ 47.7395, 58.2925,
43.3472

■ 8.6654, 11.8029,
6.4994

■ 65.0169, 78.2659,
60.4418

■ 4.5789, 6.6096,
3.0774

■ 86.0285, 102.3486,
81.5266

■ 2.0346, 3.2192,
1.1343

■ 111.1397,
130.9249, 107.0200

■ 0.6533, 1.2472,
0.0000

140.7158,
164.3793, 137.3406

■ 0.0000, 0.0998,
0.0000

175.1223,

■ 0.0000, 0.0000,

203.0960, 172.9070

0.0000

214.7245,
247.4595, 214.1377

■ 22.9261, 29.1356,
19.4543

■ 22.9261, 29.1356,
19.4543

■ 20.5991, 28.0276,
15.2465

■ 25.5959, 30.4047,
24.4625

■ 18.5984, 27.0705,
11.7958

■ 28.6198, 31.8374,
30.3076

■ 16.9092, 26.2585,
9.0576

■ 32.0113, 33.4406,
37.0262

■ 15.5148, 25.5842,
6.9822

■ 35.7824, 35.2198,
44.6520

■ 14.3967, 25.0391,
5.5131

■ 39.9447, 37.1802,
53.2171

■ 13.5339, 24.6140,
4.5845

■ 44.5091, 39.3270,
62.7520

■ 12.8916, 24.2938,
4.0614

■ 49.4863, 41.6648,
73.2857

■ 12.8275, 24.2619,
4.0069

■ 54.8864, 44.1984,
84.8462

■ 60.7192, 46.9321,
97.4601

Harmonies

Analogous

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



25.8441, 29.1356, 15.8479



22.9261, 29.1356, 19.4543



21.3587, 29.1356, 26.8586

Triad

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



22.9261, 29.1356, 19.4543



25.9371, 29.1356, 55.8276



35.1384, 29.1356, 26.6099

Complementary

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



22.9261, 29.1356, 19.4543



23.1880, 19.6993, 34.0343

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.



35.1690, 29.1356, 37.1434



22.9261, 29.1356, 19.4543



29.6271, 29.1356, 55.7188

Square

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



22.9261, 29.1356, 19.4543



22.9890, 29.1356, 48.5697



33.0776, 29.1356, 48.2991



32.9975, 29.1356, 19.3074

Rectangle

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



22.9261, 29.1356, 19.4543



21.1925, 29.1356, 33.6834



33.0776, 29.1356, 48.2991



35.4018, 29.1356, 29.8415

Sweetspot

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



22.9269, 29.1369, 19.4549



51.7868, 57.7318, 54.6679



26.5540, 28.1634, 19.0759



11.2229, 12.6219, 11.6926



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.9269, 29.1369, 19.4549



38.6801, 51.5087, 29.9492



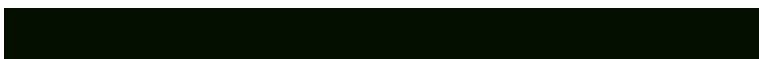
21.9268, 28.5505, 22.6061



6.7084, 7.4823, 7.0763



10.5946, 19.9984, 3.3017



0.2262, 0.3765, 0.0608

Inverse Universe

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



23.1880, 19.6993, 34.0343



39.2304, 31.3349, 61.1073



24.5453, 20.4973, 29.6546



6.7315, 6.6656, 8.3385



10.7361, 4.9637, 26.2995



0.2293, 0.1080, 0.4720

Previews

White Background



This preview shows how the XYZ color 22.9261, 29.1356, 19.4543 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 22.9261, 29.1356, 19.4543 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 22.9261, 29.1356, 19.4543

Background



This preview shows how black text looks on a background with the XYZ color 22.9261, 29.1356, 19.4543.



This preview shows how white text looks on a background with the XYZ color 22.9261, 29.1356,

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

22.9261, 29.1356, 19.4543

Protanopia

26.8374, 28.7874, 18.0520

Deuteranopia

29.5754, 29.0353, 19.9652



Tritanopia

26.6994, 29.2112, 37.9493

Trichromacy



Original Color

22.9261, 29.1356, 19.4543

Protanomaly

25.2902, 28.9151, 18.4356

Deuteranomaly

26.5859, 28.6200, 19.7458

Tritanomaly

25.0882, 29.0288, 30.2674

Monochromacy



Original Color

22.9261, 29.1356, 19.4543

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.1397, 27.2378, 25.1042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9261, 29.1356, 19.4543 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(123, 156, 111)` looks like.

```
.text, #text, p{  
    color:rgb(123, 156, 111)  
}
```

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(123, 156, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 156, 111) }
```

Border

The CSS property to change the border of an element to XYZ 22.9261, 29.1356, 19.4543 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(123, 156, 111) }
```


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

```
.border{ border-color:rgb(123, 156, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 156, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 156, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 156, 111); box-shadow:4px 4px 4px 4px rgb(123, 156, 111) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9261, 29.1356, 19.4543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 156, 111) }
```

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

```
.background{ background-color: rgb(123,  
156, 111) }
```

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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