

Converting Colors

XYZ(16.6369, 21.4796, 29.5712)

Have a look what the booklet for
XYZ(16.6369, 21.4796, 29.5712)
contains.

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Color

**XYZ(16.6483, 21.4927,
29.6566)**

Conversions

Conversions Part 1

Format	Color
Hex	468A90
RGB	70, 138, 144
RGB Percent	27%, 54%, 56%
CMY	0.7255, 0.4588, 0.4353
CMYK	0.51, 0.04, 0.00, 0.44
HSL	185°, 35%, 42%
HSV	185°, 51%, 56%
XYZ	16.6483, 21.4927, 29.6566
YIQ	118.3520, -42.4540, -12.5500

Conversions

Conversions Part 2

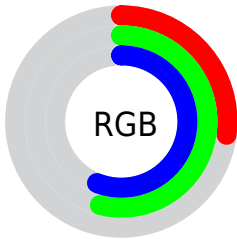
Format	Color
R_{YB}	70, 105, 144
Decimal	4622992
CIE _{Lab}	53.48, -19.75, -9.84
CIE _{LCh}	53, 22.063, 206.494
Yxy	21.4927, 0.2456, 0.3170
Android (android.graphics.Color)	4282813072 (0xFF468A90)
YUV	118.3520, 12.6445, -42.4047
Hunter-Lab	46.3602, -17.0297, -5.4756

Details

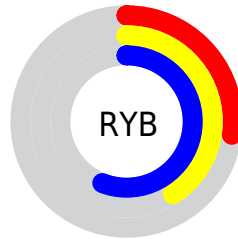
The XYZ color **16.6483, 21.4927, 29.6566** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.1919, 11.5407, 7.2217**, and the grayscale version is **17.3019, 18.2030, 19.8230**.

A 20% lighter version of the original color is **37.3549, 46.0616, 60.3480**, and **5.5477, 7.8070, 11.8042** is the 20% darker color. If you saturate the color by 10%, you get **15.5651, 20.6875, 29.5587**, and if you desaturate by 10%, it is **17.9837, 22.4316, 29.7678**.

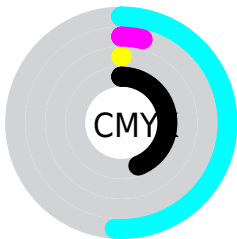
Distribution



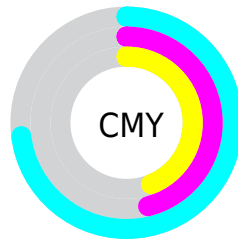
- Red (27%)
- Green (54%)
- Blue (56%)



- Red (27%)
- Yellow (41%)
- Blue (56%)



- Cyan (51%)
- Magenta (4%)
- Yellow (0%)
- Black (44%)



- Cyan (73%)
- Magenta (46%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6483, 21.4927, 29.6566 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 16.6483, 21.4927, 29.6566 by changing the saturation by 10% instead.

■ 16.6483, 21.4927,
29.6566

■ 16.6483, 21.4927,
29.6566

■ 226.3334,
259.8855, 314.4578

■ 10.0778, 13.4846,
19.3282

■ 37.2685, 45.9061,
60.1733

■ 5.5132, 7.7631,
11.7285

■ 52.0489, 63.0802,
81.1986

■ 2.5892, 3.9437,
6.4388

■ 70.2967, 84.0784,
106.6268

■ 0.9405, 1.6421,
3.0406

■ 92.3772, 109.2852,
136.8762

■ 0.0000, 0.3858,
1.1154

■ 118.6558,
139.0849, 172.3655

■ 0.0000, 0.0000,
0.0000

149.4977,

173.8619, 213.5132

185.2685,
214.0006, 260.7378

■ 16.6483, 21.4927,
29.6566

■ 16.6483, 21.4927,
29.6566

■ 15.5651, 20.6875,
29.5587

■ 17.9837, 22.4316,
29.7678

■ 14.7141, 20.0042,
29.4716

■ 19.5856, 23.5101,
29.8916

■ 14.0754, 19.4329,
29.3950

■ 21.4698, 24.7367,
30.0290

■ 13.6247, 18.9612,
29.3277

■ 23.6499, 26.1186,
30.1809

■ 13.3299, 18.6053,
29.2745

■ 26.1389, 27.6625,
30.3477

■ 28.9490, 29.3746,
30.5300

■ 32.0916, 31.2609,
30.7285

■ 35.5777, 33.3269,
30.9435

■ 39.4176, 35.5781,
31.1757

Harmonies

Analogous

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



16.2453, 21.4927, 22.6202



16.6483, 21.4927, 29.6566



18.0360, 21.4927, 35.9229

Triad

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



16.6483, 21.4927, 29.6566



24.4285, 21.4927, 31.2892



20.7055, 21.4927, 12.7237

Complementary

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



16.6483, 21.4927, 29.6566



15.1919, 11.5407, 7.2217

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.



23.0230, 21.4927, 14.1919



16.6483, 21.4927, 29.6566



25.2737, 21.4927, 24.2014

Square

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



16.6483, 21.4927, 29.6566



22.5090, 21.4927, 36.9853



24.7408, 21.4927, 18.0949



18.4797, 21.4927, 13.6329

Rectangle

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



16.6483, 21.4927, 29.6566



19.3919, 21.4927, 38.3592



24.7408, 21.4927, 18.0949



21.5007, 21.4927, 12.9470

Sweetspot

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



16.6490, 21.4935, 29.6571



40.1412, 45.0776, 53.1232



13.7672, 21.7561, 10.1189



9.0384, 10.2316, 12.1707



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.



16.6490, 21.4935, 29.6571



27.1397, 36.2443, 52.1035



12.3182, 12.8321, 28.2135



5.5234, 6.0426, 6.9040



11.6158, 16.2176, 25.4952



0.1182, 0.1694, 0.2461

Inverse Universe

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



18.2797, 12.1451, 25.4265



30.4380, 18.0971, 43.3764



18.3944, 17.9456, 8.2892



5.6077, 5.5036, 6.6979



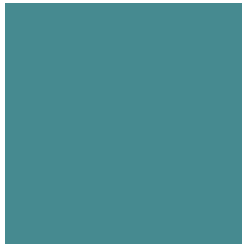
13.6662, 6.6235, 19.6915



0.1343, 0.0648, 0.2073

Previews

White Background



This preview shows how the XYZ color 16.6483, 21.4927, 29.6566 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 16.6483, 21.4927, 29.6566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

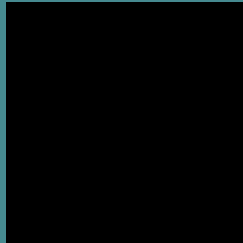
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.6483, 21.4927, 29.6566

Background



This preview shows how black text looks on a background with the XYZ color 16.6483, 21.4927, 29.6566.

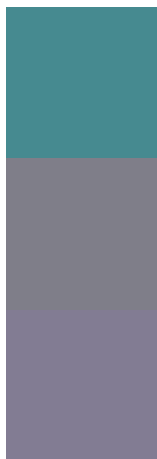


This preview shows how white text looks on a background with the XYZ color 16.6483, 21.4927,

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

16.6483, 21.4927, 29.6566

Protanopia

20.7286, 21.2399, 26.6741

Deuteranopia

21.6800, 21.2677, 30.5662



Tritanopia

16.9634, 21.4072, 31.2549

Trichromacy



Original Color

16.6483, 21.4927, 29.6566

Protanomaly

18.6601, 20.9229, 27.8660

Deuteranomaly

19.2229, 20.9640, 30.2274

Tritanomaly

16.8107, 21.3375, 30.8363

Monochromacy



Original Color

16.6483, 21.4927, 29.6566

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.5312, 18.9662, 22.8682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6483, 21.4927, 29.6566 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(70, 138, 144)` looks like.

```
.text, #text, p{  
    color:rgb(70, 138, 144)  
}
```

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(70, 138, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 138, 144) }
```

Border

The CSS property to change the border of an element to XYZ 16.6483, 21.4927, 29.6566 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(70, 138, 144) }
```


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

```
.border{ border-color:rgb(70, 138, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 138, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 138, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 138, 144);  
box-shadow:4px 4px 4px 4px rgb(70, 138,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6483, 21.4927, 29.6566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 138, 144) }
```

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

```
.background{ background-color: rgb(70, 138,  
144) }
```

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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