

Converting Colors

XYZ(14.6629, 16.5308, 31.6961)

Have a look what the booklet for
XYZ(14.6629, 16.5308, 31.6961)
contains.

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Color

**XYZ(14.6629, 16.5308,
31.6961)**

Conversions

Conversions Part 1

Format	Color
Hex	477697
RGB	71, 118, 151
RGB Percent	28%, 46%, 59%
CMY	0.7216, 0.5372, 0.4078
CMYK	0.53, 0.22, 0.00, 0.41
HSL	205°, 36%, 44%
HSV	205°, 53%, 59%
XYZ	14.6629, 16.5308, 31.6961
YIQ	107.7090, -38.6050, 0.2990

Conversions

Conversions Part 2

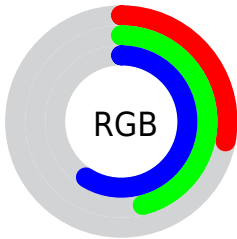
Format	Color
R_{YB}	71, 101, 151
Decimal	4683415
CIE _{Lab}	47.66, -6.25, -22.79
CIE _{LCh}	48, 23.627, 254.664
Yxy	16.5308, 0.2332, 0.2629
Android (android.graphics.Color)	4282873495 (0xFF477697)
YUV	107.7090, 21.3425, -32.1938
Hunter-Lab	40.6581, -6.7776, -17.7604

Details

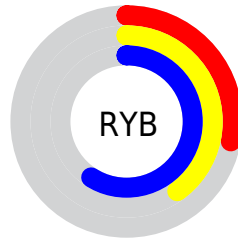
The XYZ color **14.6629, 16.5308, 31.6961** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.8508, 16.9357, 8.2373**, and the grayscale version is **14.1229, 14.8584, 16.1808**.

A 20% lighter version of the original color is **33.8516, 37.5172, 63.2150**, and **4.5905, 5.3520, 12.8477** is the 20% darker color. If you saturate the color by 10%, you get **12.9806, 14.6107, 31.4144**, and if you desaturate by 10%, it is **16.6699, 18.6909, 32.0076**.

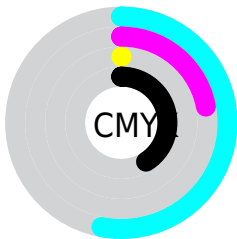
Distribution



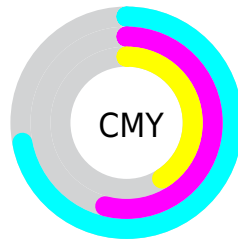
- Red (28%)
- Green (46%)
- Blue (59%)



- Red (28%)
- Yellow (40%)
- Blue (59%)



- Cyan (53%)
- Magenta (22%)
- Yellow (0%)
- Black (41%)



- Cyan (72%)
- Magenta (54%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6629, 16.5308, 31.6961 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 14.6629, 16.5308, 31.6961 by changing the saturation by 10% instead.

■ 14.6629, 16.5308,
31.6961

■ 14.6629, 16.5308,
31.6961

214.7458,
232.4538, 324.1825

■ 8.6679, 9.9005,
20.8666

■ 33.8372, 37.5173,
63.4267

■ 4.5806, 5.3331,
12.8362

■ 47.7473, 52.6423,
85.1649

■ 2.0355, 2.4440,
7.1865

■ 65.0265, 71.3676,
111.3764

■ 0.6538, 0.8484,
3.4988

■ 86.0400, 94.0778,
142.4798

■ 0.0000, 0.0000,
1.3546

■ 111.1534,
121.1571, 178.8935

■ 0.0000, 0.0000,
0.1059

140.7319,

■ 0.0000, 0.0000,

152.9899, 221.0362

0.0000

175.1409,
189.9607, 269.3264

■ 14.6629, 16.5308,
31.6961

■ 14.6629, 16.5308,
31.6961

■ 12.9806, 14.6107,
31.4144

■ 16.6699, 18.6909,
32.0076

■ 11.5998, 12.9161,
31.1601

■ 19.0196, 21.1007,
32.3489

■ 10.4962, 11.4336,
30.9322

■ 21.7304, 23.7711,
32.7214

■ 9.6407, 10.1467,
30.7289

■ 24.8189, 26.7121,
33.1263

■ 9.1344, 9.3313,
30.5981

■ 28.3005, 29.9329,
33.5645

■ 32.1899, 33.4421,
34.0369

■ 36.5009, 37.2482,
34.5443

■ 41.2466, 41.3589,
35.0876

■ 46.4395, 45.7820,
35.6677

Harmonies

Analogous

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



12.9987, 16.5308, 27.4681



14.6629, 16.5308, 31.6961



16.7619, 16.5308, 31.7476

Triad

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



14.6629, 16.5308, 31.6961



19.9744, 16.5308, 15.2144



13.0284, 16.5308, 10.9335

Complementary

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



14.6629, 16.5308, 31.6961



18.8508, 16.9357, 8.2373

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.



14.7069, 16.5308, 8.9338



14.6629, 16.5308, 31.6961



18.7789, 16.5308, 11.0028

Square

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



14.6629, 16.5308, 31.6961



19.9599, 16.5308, 21.2517



16.8100, 16.5308, 8.9560



12.1141, 16.5308, 15.0968

Rectangle

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



14.6629, 16.5308, 31.6961



18.1352, 16.5308, 29.3516



16.8100, 16.5308, 8.9560



13.5150, 16.5308, 10.0319

Sweetspot

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



14.6635, 16.5314, 31.6965



42.5212, 46.0221, 59.0757



16.1139, 24.4525, 16.7032



9.4264, 10.2339, 13.3960



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.



14.6635, 16.5314, 31.6965



22.6304, 25.4314, 56.1497



10.9811, 9.1667, 30.4690



6.1708, 6.5990, 7.8775



7.7993, 7.9953, 26.0399



0.1523, 0.1910, 0.4012

Inverse Universe

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



18.2863, 12.3945, 18.5686



30.1628, 18.2787, 28.5299



23.7227, 26.6796, 9.8613



6.3533, 6.2805, 7.2408



12.3955, 6.2124, 8.6077



0.2034, 0.1001, 0.2237

Previews

White Background



This preview shows how the XYZ color 14.6629, 16.5308, 31.6961 looks on a white 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

Black Background



This preview shows how the XYZ color 14.6629, 16.5308, 31.6961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

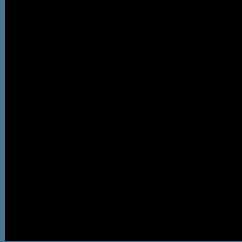
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.6629, 16.5308, 31.6961

Background



This preview shows how black text looks on a background with the XYZ color 14.6629, 16.5308, 31.6961.

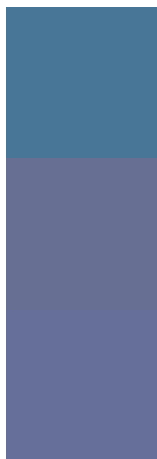


This preview shows how white text looks on a background with the XYZ color 14.6629, 16.5308,

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

14.6629, 16.5308, 31.6961

Protanopia

16.4663, 16.3278, 29.4778

Deuteranopia

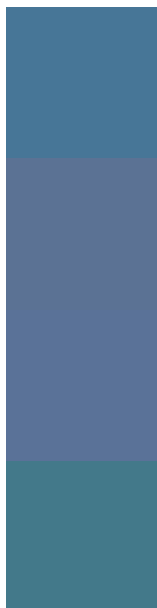
16.8010, 16.4355, 32.4238



Tritanopia

13.1706, 16.6477, 23.9919

Trichromacy



Original Color

14.6629, 16.5308, 31.6961

Protanomaly

15.6770, 16.3969, 30.3556

Deuteranomaly

15.9013, 16.4753, 32.0477

Tritanomaly

13.7396, 16.7030, 26.5446

Monochromacy



Original Color

14.6629, 16.5308, 31.6961

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.1516, 15.4765, 21.3102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6629, 16.5308, 31.6961 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(71, 118, 151)` looks like.

```
.text, #text, p{  
    color:rgb(71, 118, 151)  
}
```

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(71, 118, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 118, 151) }
```

Border

The CSS property to change the border of an element to XYZ 14.6629, 16.5308, 31.6961 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(71, 118, 151) }
```


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

```
.border{ border-color:rgb(71, 118, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 118, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 118, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 118, 151);  
box-shadow:4px 4px 4px 4px rgb(71, 118,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6629, 16.5308, 31.6961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 118, 151) }
```

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

```
.background{ background-color: rgb(71, 118,  
151) }
```

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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