

Converting Colors

XYZ(14.9421, 16.1104, 32.0954)

Have a look what the booklet for
XYZ(14.9421, 16.1104, 32.0954)
contains.

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Color

**XYZ(14.9401, 16.1482,
32.0352)**

Conversions

Conversions Part 1

Format	Color
Hex	4E7398
RGB	78, 115, 152
RGB Percent	31%, 45%, 60%
CMY	0.6941, 0.5490, 0.4039
CMYK	0.49, 0.24, 0.00, 0.40
HSL	210°, 32%, 45%
HSV	210°, 49%, 60%
XYZ	14.9401, 16.1482, 32.0352
YIQ	108.1550, -33.9290, 3.6630

Conversions

Conversions Part 2

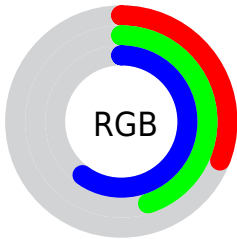
Format	Color
R_{YB}	78, 103, 152
Decimal	5141400
CIE _{Lab}	47.17, -2.44, -24.11
CIE _{LCh}	47, 24.233, 264.231
Yxy	16.1482, 0.2367, 0.2558
Android (android.graphics.Color)	4283331480 (0xFF4E7398)
YUV	108.1550, 21.6156, -26.4459
Hunter-Lab	40.1848, -3.9599, -19.1364

Details

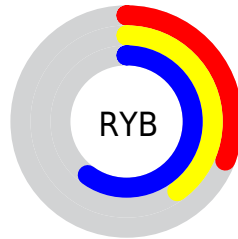
The XYZ color **14.9401, 16.1482, 32.0352** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.4551, 19.4873, 9.8916**, and the grayscale version is **14.2459, 14.9878, 16.3217**.

A 20% lighter version of the original color is **34.3194, 36.9190, 63.7098**, and **4.7095, 5.1361, 13.0551** is the 20% darker color. If you saturate the color by 10%, you get **13.0046, 13.9168, 31.7068**, and if you desaturate by 10%, it is **17.2360, 18.6722, 32.4017**.

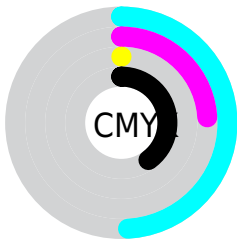
Distribution



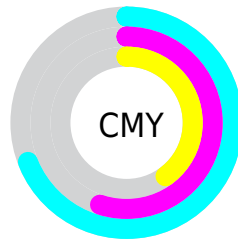
- Red (31%)
- Green (45%)
- Blue (60%)



- Red (31%)
- Yellow (40%)
- Blue (60%)



- Cyan (49%)
- Magenta (24%)
- Yellow (0%)
- Black (40%)



- Cyan (69%)
- Magenta (55%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9401, 16.1482, 32.0352 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 14.9401, 16.1482, 32.0352 by changing the saturation by 10% instead.

■ 14.9401, 16.1482,
32.0352

■ 14.9401, 16.1482,
32.0352

216.3989,
230.2146, 325.7772

■ 8.8634, 9.6291,
21.1233

■ 34.3206, 36.8553,
63.9648

■ 4.7086, 5.1537,
13.0221

■ 48.3551, 51.8121,
85.8197

■ 2.1103, 2.3377,
7.3128

■ 65.7729, 70.3502,
112.1592

■ 0.6948, 0.7936,
3.5771

■ 86.9393, 92.8540,
143.4021

■ 0.0000, 0.0000,
1.3963

■ 112.2198,
119.7080, 179.9668

■ 0.0000, 0.0000,
0.1389

141.9797,

■ 0.0000, 0.0000,

151.2965, 222.2719

0.0000

176.5843,
188.0039, 270.7358

■ 14.9401, 16.1482,
32.0352

■ 14.9401, 16.1482,
32.0352

■ 13.0046, 13.9168,
31.7068

■ 17.2360, 18.6722,
32.4017

■ 11.4060, 11.9622,
31.4138

■ 19.9106, 21.4996,
32.8064

■ 10.1205, 10.2700,
31.1549

■ 22.9826, 24.6428,
33.2512

■ 9.1196, 8.8226,
30.9283

■ 26.4691, 28.1129,
33.7373

■ 8.3467, 7.5880,
30.7307

■ 30.3861, 31.9204,
34.2658

■ 8.2521, 7.4360,
30.7064

■ 34.7488, 36.0753,
34.8378

■ 39.5714, 40.5871,
35.4545

■ 44.8677, 45.4648,
36.1168

■ 50.6507, 50.7173,
36.8259

Harmonies

Analogous

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



13.0755, 16.1482, 28.9278



14.9401, 16.1482, 32.0352



17.0924, 16.1482, 30.6034

Triad

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



14.9401, 16.1482, 32.0352



19.3968, 16.1482, 13.1924



12.2577, 16.1482, 11.5760

Complementary

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



14.9401, 16.1482, 32.0352



20.4551, 19.4873, 9.8916

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.



13.7272, 16.1482, 8.9049



14.9401, 16.1482, 32.0352



17.8705, 16.1482, 9.6757

Square

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



14.9401, 16.1482, 32.0352



19.7973, 16.1482, 18.7890



15.7640, 16.1482, 8.2999



11.6215, 16.1482, 16.4290

Rectangle

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



14.9401, 16.1482, 32.0352



18.3881, 16.1482, 27.4042



15.7640, 16.1482, 8.2999



12.6636, 16.1482, 10.4426

Sweetspot

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



14.9406, 16.1488, 32.0356



42.5694, 45.5079, 58.9739



17.3946, 25.2861, 19.8145



9.4127, 10.0801, 13.3670



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.



14.9406, 16.1488, 32.0356



22.8161, 24.4003, 55.9409



11.6227, 9.5130, 30.9296



6.1268, 6.5110, 7.8628



6.9501, 6.2969, 25.7568



0.1402, 0.1668, 0.3972

Inverse Universe

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



18.7682, 13.3625, 17.8103



30.5989, 19.7641, 26.7852



25.3534, 29.2839, 11.5244



6.3311, 6.2716, 7.1238



11.9669, 6.0410, 6.3505



0.1972, 0.0976, 0.1915

Previews

White Background



This preview shows how the XYZ color 14.9401, 16.1482, 32.0352 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 14.9401, 16.1482, 32.0352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

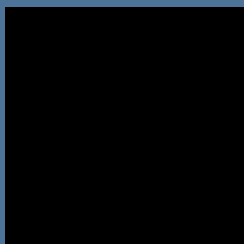
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

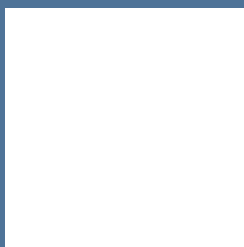
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.9401, 16.1482, 32.0352

Background



This preview shows how black text looks on a background with the XYZ color 14.9401, 16.1482, 32.0352.

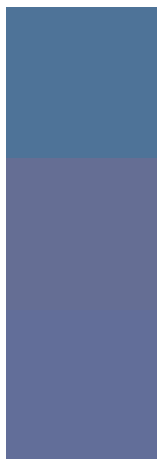


This preview shows how white text looks on a background with the XYZ color 14.9401, 16.1482,

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

14.9401, 16.1482, 32.0352

Protanopia

16.2881, 16.0567, 30.2577

Deuteranopia

16.3627, 16.0484, 32.3722



Tritanopia

13.1578, 16.1182, 23.1865

Trichromacy



Original Color

14.9401, 16.1482, 32.0352

Protanomaly

15.7332, 16.0854, 30.7093

Deuteranomaly

15.8583, 16.1124, 32.4112

Tritanomaly

13.8178, 16.2189, 26.0692

Monochromacy



Original Color

14.9401, 16.1482, 32.0352

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.2523, 15.3655, 21.2834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9401, 16.1482, 32.0352 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(78, 115, 152)` looks like.

```
.text, #text, p{  
    color:rgb(78, 115, 152)  
}
```

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(78, 115, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 115, 152) }
```

Border

The CSS property to change the border of an element to XYZ 14.9401, 16.1482, 32.0352 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(78, 115, 152) }
```


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

```
.border{ border-color:rgb(78, 115, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 115, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 115, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 115, 152);  
box-shadow:4px 4px 4px 4px rgb(78, 115,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9401, 16.1482, 32.0352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 115, 152) }
```

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

```
.background{ background-color: rgb(78, 115,  
152) }
```

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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