

Converting Colors

XYZ(14.5006, 19.7301, 4.5066)

Have a look what the booklet for
XYZ(14.5006, 19.7301, 4.5066)
contains.

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Color

**XYZ(14.4696, 19.6765,
4.4742)**

Conversions

Conversions Part 1

Format	Color
Hex	6A8421
RGB	106, 132, 33
RGB Percent	42%, 52%, 13%
CMY	0.5843, 0.4823, 0.8706
CMYK	0.20, 0.00, 0.75, 0.48
HSL	76°, 60%, 32%
HSV	76°, 75%, 52%
XYZ	14.4696, 19.6765, 4.4742
YIQ	112.9400, 16.2830, -36.3010

Conversions

Conversions Part 2

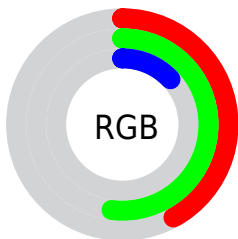
Format	Color
R_{YB}	33, 132, 59
Decimal	6980641
CIE _{Lab}	51.47, -23.84, 47.31
CIE _{LCh}	51, 52.977, 116.742
Yxy	19.6765, 0.3747, 0.5095
Android (android.graphics.Color)	4285170721 (0xFF6A8421)
YUV	112.9400, -39.4104, -6.0864
Hunter-Lab	44.3582, -19.4003, 25.0704

Details

The XYZ color **14.4696, 19.6765, 4.4742** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.5132, 3.6840, 22.1988**, and the grayscale version is **15.7886, 16.6108, 18.0892**.

A 20% lighter version of the original color is **33.4859, 42.8274, 15.0959**, and **4.5928, 6.8468, 1.0795** is the 20% darker color. If you saturate the color by 10%, you get **13.9162, 19.4092, 3.6656**, and if you desaturate by 10%, it is **15.1131, 19.9832, 5.6666**.

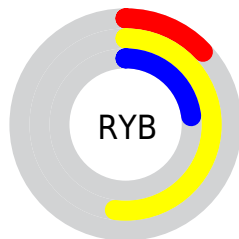
Distribution



Red (42%)

Green (52%)

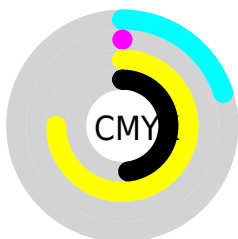
Blue (13%)



Red (13%)

Yellow (52%)

Blue (23%)

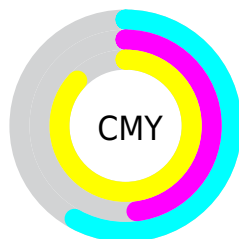


Cyan (20%)

Magenta (0%)

Yellow (75%)

Black (48%)



Cyan (58%)

Magenta (48%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4696, 19.6765, 4.4742 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 14.4696, 19.6765, 4.4742 by changing the saturation by 10% instead.

■ 14.4696, 19.6765,
4.4742

■ 14.4696, 19.6765,
4.4742

213.5856,
250.1584, 153.3587

■ 8.5319, 12.1601,
1.8889

■ 33.4993, 42.8741,
15.0894

■ 4.4918, 6.8528,
0.4857

■ 47.3220, 59.3242,
23.9565

■ 1.9839, 3.3702,
0.0000

■ 64.5038, 79.5209,
35.7545

■ 0.6249, 1.3279,
0.0000

■ 85.4099, 103.8487,
50.9021

■ 0.0000, 0.1627,
0.0000

■ 110.4058,
132.6919, 69.8178

■ 0.0000, 0.0000,
0.0000

■ 139.8569,

166.4350, 92.9201

174.1283,
205.4624, 120.6275

■ 14.4696, 19.6765,
4.4742

■ 14.4696, 19.6765,
4.4742

■ 13.9162, 19.4092,
3.6656

■ 15.1131, 19.9832,
5.6666

■ 13.4405, 19.1742,
3.1822

■ 15.8532, 20.3297,
7.2814

■ 13.2167, 19.0630,
2.9829

■ 16.6972, 20.7198,
9.3542

■ 17.6511, 21.1559,
11.9163

■ 18.7206, 21.6402,
14.9961

■ 19.9110, 22.1748,
18.6203

■ 21.2269, 22.7618,
22.8132

■ 22.6730, 23.4029,
27.5980

■ 24.2536, 24.0998,
32.9965

Harmonies

Analogous

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



19.2888, 19.6765, 3.4742



14.4696, 19.6765, 4.4742



11.3911, 19.6765, 9.0472

Triad

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



14.4696, 19.6765, 4.4742



13.6381, 19.6765, 56.4057



30.8744, 19.6765, 23.1314

Complementary

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



14.4696, 19.6765, 4.4742



6.5132, 3.6840, 22.1988

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.



28.6165, 19.6765, 41.8199



14.4696, 19.6765, 4.4742



18.1270, 19.6765, 65.9495

Square

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



14.4696, 19.6765, 4.4742



10.9788, 19.6765, 37.4791



23.6882, 19.6765, 59.6374



29.3948, 19.6765, 10.7679

Rectangle

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



14.4696, 19.6765, 4.4742



10.4134, 19.6765, 15.3881



23.6882, 19.6765, 59.6374



30.5183, 19.6765, 28.8628

Sweetspot

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



14.4701, 19.6774, 4.4746



33.4797, 38.3446, 27.9224



11.2915, 8.0170, 2.3915



7.6883, 8.8795, 6.1828



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



14.4701, 19.6774, 4.4746



23.9132, 33.8923, 5.8153



10.2569, 17.5054, 4.2774



4.9236, 5.3632, 5.0051



12.8016, 18.4594, 2.8883



0.0512, 0.0675, 0.0103

Inverse Universe

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



6.5132, 3.6840, 22.1988



9.2527, 4.2220, 38.7804



10.8030, 5.8955, 22.3996



4.5408, 4.5994, 5.8492



4.6976, 1.9559, 21.2666



0.0224, 0.0099, 0.0740

Previews

White Background



This preview shows how the XYZ color 14.4696, 19.6765, 4.4742 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 14.4696, 19.6765, 4.4742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

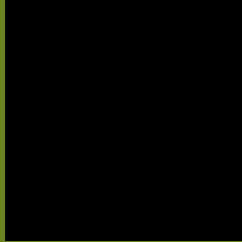
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.4696, 19.6765, 4.4742

Background



This preview shows how black text looks on a background with the XYZ color 14.4696, 19.6765, 4.4742.



This preview shows how white text looks on a background with the XYZ color 14.4696, 19.6765,

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

14.4696, 19.6765, 4.4742

Protanopia

17.6468, 19.5832, 4.1462

Deuteranopia

19.7653, 19.4163, 4.7135



Tritanopia

18.6527, 19.6413, 24.9983

Trichromacy



Original Color

14.4696, 19.6765, 4.4742

Protanomaly

16.3258, 19.4616, 4.2625

Deuteranomaly

17.4468, 19.2869, 4.5535

Tritanomaly

16.4286, 19.2955, 14.1678

Monochromacy



Original Color

14.4696, 19.6765, 4.4742

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.7471, 17.3880, 10.9665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4696, 19.6765, 4.4742 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(106, 132, 33)` looks like.

```
.text, #text, p{  
    color:rgb(106, 132, 33)  
}
```

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(106, 132, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 132, 33) }
```

Border

The CSS property to change the border of an element to XYZ 14.4696, 19.6765, 4.4742 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(106, 132, 33) }
```


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

```
.border{ border-color:rgb(106, 132, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 132, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 132, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 132, 33);  
box-shadow:4px 4px 4px 4px rgb(106, 132,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4696, 19.6765, 4.4742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 132, 33) }
```

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

```
.background{ background-color: rgb(106,  
132, 33) }
```

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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