

Converting Colors

XYZ(15.0270, 13.2787, 41.4496)

Have a look what the booklet for
XYZ(15.0270, 13.2787, 41.4496)
contains.

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Color

**XYZ(14.9594, 13.1862,
41.2919)**

Conversions

Conversions Part 1

Format	Color
Hex	4E61AD
RGB	78, 97, 173
RGB Percent	31%, 38%, 68%
CMY	0.6941, 0.6196, 0.3216
CMYK	0.55, 0.44, 0.00, 0.32
HSL	228°, 38%, 49%
HSV	228°, 55%, 68%
XYZ	14.9594, 13.1862, 41.2919
YIQ	99.9830, -35.7200, 19.6080

Conversions

Conversions Part 2

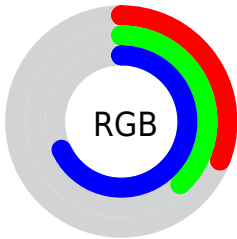
Format	Color
R_{YB}	78, 94, 173
Decimal	5136813
CIE _{Lab}	43.04, 15.46, -42.97
CIE _{LCh}	43, 45.666, 289.794
Yxy	13.1862, 0.2154, 0.1899
Android (android.graphics.Color)	4283326893 (0xFF4E61AD)
YUV	99.9830, 35.9974, -19.2791
Hunter-Lab	36.3128, 9.9873, -42.0007

Details

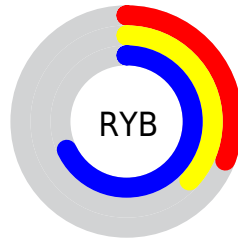
The XYZ color **14.9594, 13.1862, 41.2919** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **30.1653, 32.5470, 11.9009**, and the grayscale version is **12.0270, 12.6533, 13.7795**.

A 20% lighter version of the original color is **34.2494, 31.5111, 78.4059**, and **4.7120, 3.7949, 18.2534** is the 20% darker color. If you saturate the color by 10%, you get **12.5548, 10.2110, 40.8446**, and if you desaturate by 10%, it is **17.9611, 16.8007, 41.8316**.

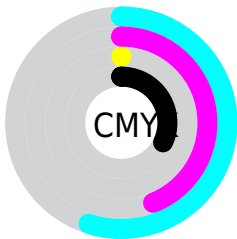
Distribution



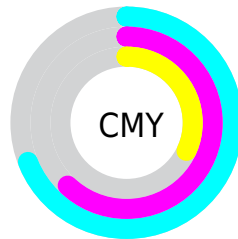
- Red (31%)
- Green (38%)
- Blue (68%)



- Red (31%)
- Yellow (37%)
- Blue (68%)



- Cyan (55%)
- Magenta (44%)
- Yellow (0%)
- Black (32%)



- Cyan (69%)
- Magenta (62%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9594, 13.1862, 41.2919 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 14.9594, 13.1862, 41.2919 by changing the saturation by 10% instead.

■ 14.9594, 13.1862,
41.2919

■ 14.9594, 13.1862,
41.2919

216.5136,
212.1076, 367.2518

■ 8.8770, 7.5569,
28.2258

■ 34.3542, 31.6379,
78.3853

■ 4.7175, 3.8127,
18.2554

■ 48.3973, 45.2291,
103.2497

■ 2.1155, 1.5694,
10.9622

■ 65.8247, 62.2430,
132.8839

■ 0.6976, 0.3368,
5.9276

■ 87.0018, 83.0641,
167.7066

■ 0.0000, 0.0000,
2.7330

■ 112.2938,
108.0766, 208.1361

■ 0.0000, 0.0000,
0.9600

142.0663,

■ 0.0000, 0.0000,

137.6652, 254.5912

0.0000

176.6844,
172.2140, 307.4902

■ 14.9594, 13.1862,
41.2919

■ 14.9594, 13.1862,
41.2919

■ 12.5548, 10.2110,
40.8446

■ 17.9611, 16.8007,
41.8316

■ 10.7040, 7.8353,
40.4836

■ 21.5956, 21.0886,
42.4677

■ 9.3606, 6.0163,
40.2033

■ 25.8979, 26.0828,
43.2049

■ 8.4683, 4.7044,
39.9971

■ 30.8996, 31.8137,
44.0475

■ 8.1321, 4.1955,
39.9166

■ 36.6304, 38.3101,
44.9994

■ 43.1185, 45.5989,
46.0643

■ 50.3901, 53.7060,
47.2459

■ 58.4706, 62.6558,
48.5475

■ 67.3840, 72.4720,
49.9724

Harmonies

Analogous

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



11.3752, 13.1862, 43.0054



14.9594, 13.1862, 41.2919



18.4241, 13.1862, 30.7917

Triad

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



14.9594, 13.1862, 41.2919



17.4124, 13.1862, 4.0791



6.9967, 13.1862, 11.1987

Complementary

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



14.9594, 13.1862, 41.2919



30.1653, 32.5470, 11.9009

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.



8.0543, 13.1862, 5.1476



14.9594, 13.1862, 41.2919



13.7670, 13.1862, 2.5012

Square

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



14.9594, 13.1862, 41.2919



20.0134, 13.1862, 8.7580



10.3844, 13.1862, 2.7711



7.1964, 13.1862, 21.9450

Rectangle

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



14.9594, 13.1862, 41.2919



19.9907, 13.1862, 22.1190



10.3844, 13.1862, 2.7711



7.2079, 13.1862, 8.6642

Sweetspot

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



14.9599, 13.1866, 41.2922



54.0372, 55.4918, 78.6687



23.9188, 33.8404, 35.8436



11.3438, 11.6030, 17.0294



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



14.9599, 13.1866, 41.2922



21.6580, 17.2422, 72.9924



16.2715, 11.5617, 40.9095



7.7038, 8.0070, 10.0922



6.0078, 3.1494, 29.3358



0.2040, 0.1613, 0.8284

Inverse Universe

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



22.1161, 15.1968, 13.0772



36.0665, 22.1598, 15.9882



27.9084, 36.4120, 12.7659



8.0683, 8.0406, 8.6705



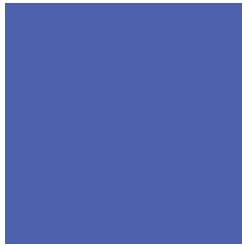
12.8961, 6.6210, 1.8323



0.3773, 0.1916, 0.1489

Previews

White Background



This preview shows how the XYZ color 14.9594, 13.1862, 41.2919 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 14.9594, 13.1862, 41.2919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

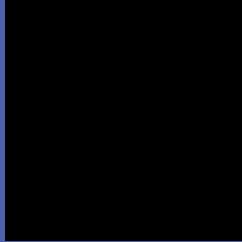
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.9594, 13.1862, 41.2919

Background



This preview shows how black text looks on a background with the XYZ color 14.9594, 13.1862, 41.2919.



This preview shows how white text looks on a background with the XYZ color 14.9594, 13.1862,

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

14.9594, 13.1862, 41.2919

Protanopia

14.5836, 13.2478, 42.3459

Deuteranopia

13.5630, 13.1851, 40.8599



Tritanopia

10.4836, 13.1448, 19.1242

Trichromacy



Original Color

14.9594, 13.1862, 41.2919

Protanomaly

14.6802, 13.1691, 41.8126

Deuteranomaly

13.9280, 13.0850, 40.8213

Tritanomaly

11.8190, 13.0619, 25.9430

Monochromacy



Original Color

14.9594, 13.1862, 41.2919

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.7062, 12.7313, 21.8664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9594, 13.1862, 41.2919 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, 97, 173)` looks like.

```
.text, #text, p{  
    color:rgb(78, 97, 173)  
}
```

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, 97, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 97, 173) }
```

Border

The CSS property to change the border of an element to XYZ 14.9594, 13.1862, 41.2919 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, 97, 173) }
```


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

```
.border{ border-color:rgb(78, 97, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 97, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 97, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 97, 173);  
box-shadow:4px 4px 4px 4px rgb(78, 97,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9594, 13.1862, 41.2919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 97, 173) }
```

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

```
.background{ background-color: rgb(78, 97,  
173) }
```

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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