

Converting Colors

XYZ(13.7466, 13.6258, 32.0409)

Have a look what the booklet for
XYZ(13.7466, 13.6258, 32.0409)
contains.

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Color

**XYZ(13.7419, 13.6201,
32.0417)**

Conversions

Conversions Part 1

Format	Color
Hex	4E6799
RGB	78, 103, 153
RGB Percent	31%, 40%, 60%
CMY	0.6941, 0.5961, 0.4000
CMYK	0.49, 0.33, 0.00, 0.40
HSL	220°, 32%, 45%
HSV	220°, 49%, 60%
XYZ	13.7419, 13.6201, 32.0417
YIQ	101.2250, -30.9500, 10.2500

Conversions

Conversions Part 2

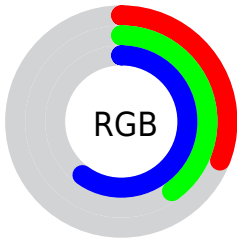
Format	Color
R_{YB}	78, 97, 153
Decimal	5138329
CIE Lab	43.68, 5.17, -30.13
CIE LCh	44, 30.568, 279.739
Yxy	13.6201, 0.2313, 0.2293
Android (android.graphics.Color)	4283328409 (0xFF4E6799)
YUV	101.2250, 25.5251, -20.3683
Hunter-Lab	36.9054, 1.8808, -25.6425

Details

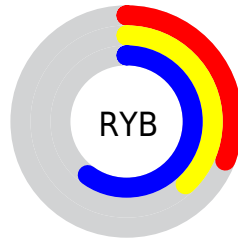
The XYZ color **13.7419, 13.6201, 32.0417** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.2317, 22.7614, 10.4300**, and the grayscale version is **12.3700, 13.0142, 14.1725**.

A 20% lighter version of the original color is **32.3008, 32.4906, 64.2434**, and **4.1658, 3.9698, 13.1171** is the 20% darker color. If you saturate the color by 10%, you get **11.6778, 11.1408, 31.6722**, and if you desaturate by 10%, it is **16.2225, 16.4983, 32.4668**.

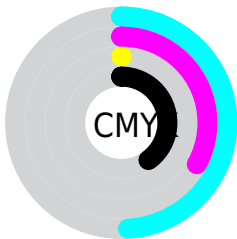
Distribution



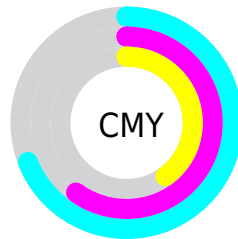
- Red (31%)
- Green (40%)
- Blue (60%)



- Red (31%)
- Yellow (38%)
- Blue (60%)



- Cyan (49%)
- Magenta (33%)
- Yellow (0%)
- Black (40%)



- Cyan (69%)
- Magenta (60%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7419, 13.6201, 32.0417 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 13.7419, 13.6201, 32.0417 by changing the saturation by 10% instead.

■ 13.7419, 13.6201,
32.0417

■ 13.7419, 13.6201,
32.0417

209.1621,
214.8545, 325.8077

■ 8.0219, 7.8569,
21.1283

■ 32.2205, 32.4134,
63.9751

■ 4.1609, 4.0035,
13.0256

■ 45.7097, 46.2123,
85.8322

■ 1.7935, 1.6755,
7.3153

■ 62.5194, 63.4586,
112.1742

■ 0.5138, 0.4077,
3.5786

■ 83.0149, 84.5367,
143.4198

■ 0.0000, 0.0000,
1.3971

■ 107.5616,
109.8309, 179.9873

■ 0.0000, 0.0000,
0.1395

136.5248,

■ 0.0000, 0.0000,

139.7257, 222.2955

0.0000

170.2698,
174.6054, 270.7628

■ 13.7419, 13.6201,
32.0417

■ 13.7419, 13.6201,
32.0417

■ 11.6778, 11.1408,
31.6722

■ 16.2225, 16.4983,
32.4668

■ 10.0036, 9.0396,
31.3549

■ 19.1408, 19.7919,
32.9487

■ 8.6921, 7.2954,
31.0873

■ 22.5183, 23.5183,
33.4899

■ 7.7111, 5.8844,
30.8667

■ 26.3747, 27.6932,
34.0925

■ 6.9967, 4.7657,
30.6884

■ 30.7284, 32.3316,
34.7584

■ 6.9336, 4.6675,
30.6728

■ 35.5968, 37.4477,
35.4893

■ 40.9965, 43.0552,
36.2870

■ 46.9433, 49.1671,
37.1533

■ 53.4524, 55.7960,
38.0898

Harmonies

Analogous

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



11.4123, 13.6201, 31.0047



13.7419, 13.6201, 32.0417



16.1254, 13.6201, 27.4911

Triad

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



13.7419, 13.6201, 32.0417



16.8282, 13.6201, 7.8839



9.0810, 13.6201, 10.7078

Complementary

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



13.7419, 13.6201, 32.0417



22.2317, 22.7614, 10.4300

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.



10.2138, 13.6201, 6.8118



13.7419, 13.6201, 32.0417



14.6103, 13.6201, 5.5657

Square

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



13.7419, 13.6201, 32.0417



18.0472, 13.6201, 12.7048



12.1805, 13.6201, 5.2457



8.9091, 13.6201, 17.1798

Rectangle

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



13.7419, 13.6201, 32.0417



17.3545, 13.6201, 22.5370



12.1805, 13.6201, 5.2457



9.3547, 13.6201, 9.1170

Sweetspot

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



13.7424, 13.6206, 32.0420



42.7954, 44.8052, 60.3647



18.4299, 25.9611, 24.4623



9.1644, 9.5834, 13.2843



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.



13.7424, 13.6206, 32.0420



20.5345, 19.4860, 56.6509



12.7400, 9.9481, 31.3860



6.0443, 6.3460, 7.8353



5.7586, 3.9138, 25.3596



0.1172, 0.1207, 0.3895

Inverse Universe

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



18.3099, 13.2009, 14.4154



29.9407, 19.4675, 20.1611



23.6665, 28.9519, 11.5493



6.2895, 6.2550, 6.9046



11.3654, 5.8004, 3.1834



0.1856, 0.0930, 0.1302

Previews

White Background



This preview shows how the XYZ color 13.7419, 13.6201, 32.0417 looks on a white background.

Color Contrast Check

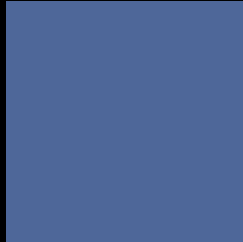
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7419, 13.6201, 32.0417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

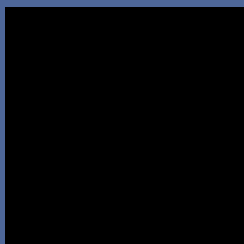
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

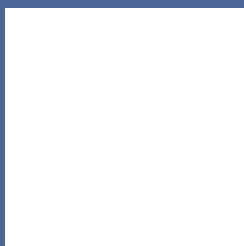
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7419, 13.6201, 32.0417

Background



This preview shows how black text looks on a background with the XYZ color 13.7419, 13.6201, 32.0417.

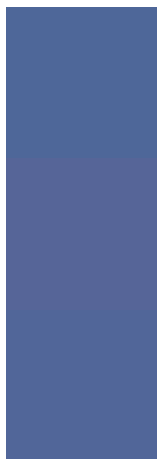


This preview shows how white text looks on a background with the XYZ color 13.7419, 13.6201,

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

13.7419, 13.6201, 32.0417

Protanopia

14.1589, 13.5528, 31.5755

Deuteranopia

13.8945, 13.5520, 32.0205



Tritanopia

11.2204, 13.6771, 19.5013

Trichromacy



Original Color

13.7419, 13.6201, 32.0417

Protanomaly

13.9861, 13.6087, 31.5954

Deuteranomaly

13.8094, 13.5081, 32.0165

Tritanomaly

11.9530, 13.4937, 23.4473

Monochromacy



Original Color

13.7419, 13.6201, 32.0417

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.6557, 13.1860, 19.6474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7419, 13.6201, 32.0417 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, 103, 153)` looks like.

```
.text, #text, p{  
  color:rgb(78, 103, 153)  
}
```

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, 103, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 103, 153) }
```

Border

The CSS property to change the border of an element to XYZ 13.7419, 13.6201, 32.0417 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, 103, 153) }
```


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

```
.border{ border-color:rgb(78, 103, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 103, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 103, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 103, 153);  
box-shadow:4px 4px 4px 4px rgb(78, 103,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7419, 13.6201, 32.0417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 103, 153) }
```

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

```
.background{ background-color: rgb(78, 103,  
153) }
```

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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