

Converting Colors

XYZ(17.4199, 19.8024, 40.9144)

Have a look what the booklet for
XYZ(17.4199, 19.8024, 40.9144)
contains.

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Color

**XYZ(17.4207, 19.7961,
40.9331)**

Conversions

Conversions Part 1

Format	Color
Hex	4381AA
RGB	67, 129, 170
RGB Percent	26%, 51%, 67%
CMY	0.7372, 0.4941, 0.3333
CMYK	0.61, 0.24, 0.00, 0.33
HSL	204°, 43%, 46%
HSV	204°, 61%, 67%
XYZ	17.4207, 19.7961, 40.9331
YIQ	115.1360, -50.1130, -0.3930

Conversions

Conversions Part 2

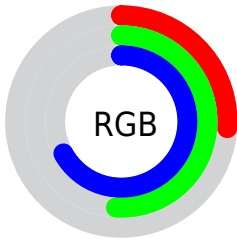
Format	Color
R _Y B	67, 106, 170
Decimal	4424106
CIE Lab	51.61, -7.39, -27.78
CIE LCh	52, 28.748, 255.111
Yxy	19.7961, 0.2229, 0.2533
Android (android.graphics.Color)	4282614186 (0xFF4381AA)
YUV	115.1360, 27.0480, -42.2153
Hunter-Lab	44.4928, -7.9726, -23.4015

Details

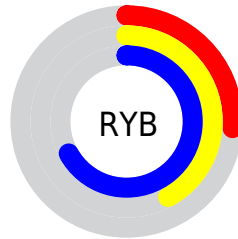
The XYZ color **17.4207, 19.7961, 40.9331** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **22.9540, 19.6774, 7.8993**, and the grayscale version is **16.2691, 17.1163, 18.6397**.

A 20% lighter version of the original color is **38.6307, 43.1772, 77.5321**, and **6.1387, 7.0453, 18.1759** is the 20% darker color. If you saturate the color by 10%, you get **15.5598, 17.5574, 40.5994**, and if you desaturate by 10%, it is **19.6841, 22.3307, 41.3034**.

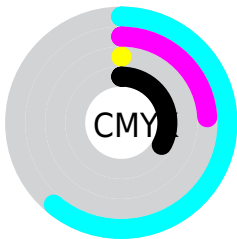
Distribution



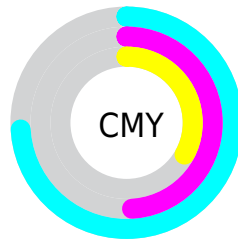
- Red (26%)
- Green (51%)
- Blue (67%)



- Red (26%)
- Yellow (42%)
- Blue (67%)



- Cyan (61%)
- Magenta (24%)
- Yellow (0%)
- Black (33%)



- Cyan (74%)
- Magenta (49%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4207, 19.7961, 40.9331 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 17.4207, 19.7961, 40.9331 by changing the saturation by 10% instead.

■ 17.4207, 19.7961,
40.9331

■ 17.4207, 19.7961,
40.9331

230.6945,
250.8091, 365.7093

■ 10.6321, 12.2469,
27.9475

■ 38.5856, 43.0751,
77.8349

■ 5.8855, 6.9121,
18.0474

■ 53.6925, 59.5736,
102.5882

■ 2.8155, 3.4072,
10.8142

■ 72.3029, 79.8241,
132.1011

■ 1.0570, 1.3478,
5.8295

■ 94.7822, 104.2109,
166.7922

■ 0.0000, 0.1778,
2.6746

■ 121.4956,
133.1184, 207.0800

■ 0.0000, 0.0000,
0.9306

152.8085,

■ 0.0000, 0.0000,

166.9310, 253.3831

0.0000

189.0864,
206.0331, 306.1200

■ 17.4207, 19.7961,
40.9331

■ 17.4207, 19.7961,
40.9331

■ 15.5598, 17.5574,
40.5994

■ 19.6841, 22.3307,
41.3034

■ 14.0673, 15.5941,
40.2992

■ 22.3762, 25.1753,
41.7106

■ 12.9063, 13.8860,
40.0307

■ 25.5232, 28.3452,
42.1566

■ 12.0396, 12.4700,
39.8030

■ 29.1486, 31.8543,
42.6428

■ 33.2741, 35.7150,
43.1706

■ 37.9199, 39.9394,
43.7411

■ 43.1052, 44.5388,
44.3556

■ 48.8481, 49.5240,
45.0151

■ 55.1659, 54.9051,
45.7208

Harmonies

Analogous

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



15.1528, 19.7961, 34.9429



17.4207, 19.7961, 40.9331



20.3050, 19.7961, 40.9086

Triad

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



17.4207, 19.7961, 40.9331



24.7200, 19.7961, 17.6586



15.1396, 19.7961, 12.1447

Complementary

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



17.4207, 19.7961, 40.9331



22.9540, 19.6774, 7.8993

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.



17.4009, 19.7961, 9.5328



17.4207, 19.7961, 40.9331



23.0256, 19.7961, 12.1149

Square

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



17.4207, 19.7961, 40.9331



24.7267, 19.7961, 25.9177



20.2830, 19.7961, 9.5235



13.9307, 19.7961, 17.7109

Rectangle

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



17.4207, 19.7961, 40.9331



22.2037, 19.7961, 37.4102



20.2830, 19.7961, 9.5235



15.7910, 19.7961, 10.9634

Sweetspot

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



17.4214, 19.7968, 40.9336



54.4968, 59.3214, 77.5798



19.3169, 30.9940, 18.7331



11.7028, 12.8019, 17.2419



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.



17.4214, 19.7968, 40.9336



27.1440, 30.4673, 73.4520



12.3684, 9.6908, 39.2493



7.4932, 8.0233, 9.5721



8.9119, 9.2841, 29.2978



0.2647, 0.3217, 0.7288

Inverse Universe

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



22.5478, 14.1461, 22.3116



37.8075, 21.1746, 34.1645



29.8153, 33.3999, 10.1864



7.7135, 7.6153, 8.8087



13.9989, 7.0083, 10.0719



0.3648, 0.1802, 0.3724

Previews

White Background



This preview shows how the XYZ color 17.4207, 19.7961, 40.9331 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 17.4207, 19.7961, 40.9331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

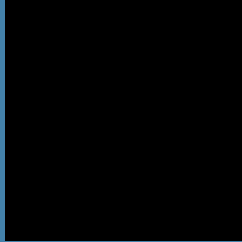
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.4207, 19.7961, 40.9331

Background



This preview shows how black text looks on a background with the XYZ color 17.4207, 19.7961, 40.9331.

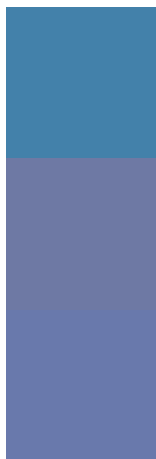


This preview shows how white text looks on a background with the XYZ color 17.4207, 19.7961,

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

17.4207, 19.7961, 40.9331

Protanopia

19.9686, 19.6701, 37.8662

Deuteranopia

20.1095, 19.6566, 41.7639



Tritanopia

15.1347, 19.8760, 29.4243

Trichromacy



Original Color

17.4207, 19.7961, 40.9331

Protanomaly

18.7067, 19.5482, 38.8636

Deuteranomaly

18.8727, 19.5797, 41.3126

Tritanomaly

15.8047, 19.7322, 33.1127

Monochromacy



Original Color

17.4207, 19.7961, 40.9331

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.1266, 17.7789, 25.5034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4207, 19.7961, 40.9331 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(67, 129, 170)` looks like.

```
.text, #text, p{  
    color:rgb(67, 129, 170)  
}
```

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(67, 129, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 129, 170) }
```

Border

The CSS property to change the border of an element to XYZ 17.4207, 19.7961, 40.9331 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(67, 129, 170) }
```


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

```
.border{ border-color:rgb(67, 129, 170) }
```

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

Here you see how a box with a 4 pixel rgb(67, 129, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 129, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 129, 170);  
box-shadow:4px 4px 4px 4px rgb(67, 129,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4207, 19.7961, 40.9331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 129, 170) }
```

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

```
.background{ background-color: rgb(67, 129,  
170) }
```

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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