

Converting Colors

XYZ(13.7815, 16.1296, 20.6289)

Have a look what the booklet for
XYZ(13.7815, 16.1296, 20.6289)
contains.

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Color

**XYZ(13.7430, 16.1293,
20.4781)**

Conversions

Conversions Part 1

Format	Color
Hex	577579
RGB	87, 117, 121
RGB Percent	34%, 46%, 47%
CMY	0.6588, 0.5412, 0.5255
CMYK	0.28, 0.03, 0.00, 0.53
HSL	187°, 16%, 41%
HSV	187°, 28%, 47%
XYZ	13.7430, 16.1293, 20.4781
YIQ	108.4860, -19.1640, -5.1160

Conversions

Conversions Part 2

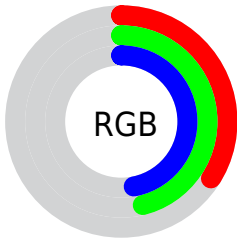
Format	Color
R_{YB}	87, 103, 121
Decimal	5731705
CIE _{Lab}	47.14, -9.74, -5.72
CIE _{LCh}	47, 11.294, 210.427
Yxy	16.1293, 0.2729, 0.3203
Android (android.graphics.Color)	4283921785 (0xFF577579)
YUV	108.4860, 6.1694, -18.8432
Hunter-Lab	40.1613, -9.2004, -2.1188

Details

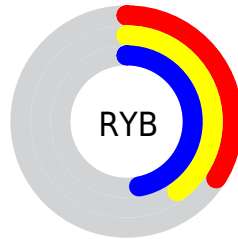
The XYZ color **13.7430, 16.1293, 20.4781** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.3468, 12.2355, 10.6755**, and the grayscale version is **14.3779, 15.1267, 16.4730**.

A 20% lighter version of the original color is **32.2120, 36.7963, 44.9398**, and **4.2058, 5.1884, 7.0831** is the 20% darker color. If you saturate the color by 10%, you get **12.5422, 15.2664, 20.3751**, and if you desaturate by 10%, it is **15.1366, 17.0962, 20.5915**.

Distribution



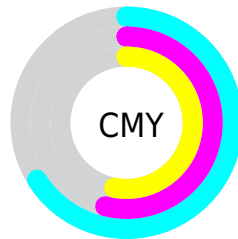
- Red (34%)
- Green (46%)
- Blue (47%)



- Red (34%)
- Yellow (40%)
- Blue (47%)



- Cyan (28%)
- Magenta (3%)
- Yellow (0%)
- Black (53%)



- Cyan (66%)
- Magenta (54%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7430, 16.1293, 20.4781 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 13.7430, 16.1293, 20.4781 by changing the saturation by 10% instead.

■ 13.7430, 16.1293,
20.4781

■ 13.7430, 16.1293,
20.4781

209.1689,
230.1035, 267.1811

■ 8.0226, 9.6157,
12.5555

■ 32.2224, 36.8225,
45.0868

■ 4.1614, 5.1449,
6.9961

■ 45.7122, 51.7709,
62.6100

■ 1.7938, 2.3325,
3.3812

■ 62.5224, 70.2998,
84.1704

■ 0.5139, 0.7908,
1.2924

■ 83.0186, 92.7933,
110.1867

■ 0.0000, 0.0000,
0.0556

■ 107.5659,
119.6361, 141.0774

■ 0.0000, 0.0000,
0.0000

136.5299,

151.2125, 177.2610

170.2757,
187.9068, 219.1560

■ 13.7430, 16.1293,
20.4781

■ 13.7430, 16.1293,
20.4781

■ 12.5422, 15.2664,
20.3751

■ 15.1366, 17.0962,
20.5915

■ 11.5235, 14.5006,
20.2810

■ 16.7305, 18.1697,
20.7147

■ 10.6769, 13.8274,
20.1957

■ 18.5334, 19.3546,
20.8484

■ 9.9913, 13.2407,
20.1186

■ 20.5529, 20.6551,
20.9930

■ 9.4539, 12.7342,
20.0491

■ 22.7966, 22.0749,
21.1488

■ 9.0502, 12.3003,
19.9866

■ 25.2714, 23.6177,
21.3162

■ 8.7420, 11.9192,
19.9293

■ 27.9840, 25.2870,
21.4954

■ 8.6850, 11.8480,
19.9186

■ 30.9409, 27.0860,
21.6868

■ 34.1483, 29.0180,
21.8907

Harmonies

Analogous

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



13.5001, 16.1293, 17.6029



13.7430, 16.1293, 20.4781



14.4077, 16.1293, 22.7575

Triad

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



13.7430, 16.1293, 20.4781



17.0509, 16.1293, 20.4000



15.3162, 16.1293, 12.6439

Complementary

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



13.7430, 16.1293, 20.4781



13.3468, 12.2355, 10.6755

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.



16.2917, 16.1293, 13.2244



13.7430, 16.1293, 20.4781



17.3191, 16.1293, 17.5213

Square

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



13.7430, 16.1293, 20.4781



16.3174, 16.1293, 22.7091



17.0356, 16.1293, 14.9369



14.3841, 16.1293, 13.2582

Rectangle

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



13.7430, 16.1293, 20.4781



15.0152, 16.1293, 23.5217



17.0356, 16.1293, 14.9369



15.6500, 16.1293, 12.7051

Sweetspot

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



13.7435, 16.1299, 20.4785



29.9285, 32.5160, 37.0917



12.6551, 16.4561, 12.3998



6.7552, 7.3762, 8.4744



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.7435, 16.1299, 20.4785



23.1216, 27.8204, 36.5441



11.9424, 12.5279, 19.8781



4.0688, 4.4358, 5.0849



9.3019, 12.6863, 21.3437



43.9656, 59.7038, 101.6765

Inverse Universe

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



14.5047, 12.1662, 18.4142



24.7548, 19.5094, 32.0715



14.9649, 15.4715, 11.2149



4.1352, 4.0698, 4.9094



11.2785, 5.4876, 15.2894



53.5949, 26.0943, 71.8541

Previews

White Background



This preview shows how the XYZ color 13.7430, 16.1293, 20.4781 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 13.7430, 16.1293, 20.4781 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 13.7430, 16.1293, 20.4781

Background



This preview shows how black text looks on a background with the XYZ color 13.7430, 16.1293, 20.4781.



This preview shows how white text looks on a background with the XYZ color 13.7430, 16.1293,

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

13.7430, 16.1293, 20.4781

Protanopia

15.5774, 16.0980, 19.1158

Deuteranopia

16.2738, 15.9371, 20.9573



Tritanopia

14.0358, 16.0718, 22.1011

Trichromacy



Original Color

13.7430, 16.1293, 20.4781

Protanomaly

14.7687, 16.0018, 19.4498

Deuteranomaly

15.1411, 15.8382, 20.6714

Tritanomaly

13.9080, 16.0207, 21.4281

Monochromacy



Original Color

13.7430, 16.1293, 20.4781

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.9206, 15.2705, 17.8366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7430, 16.1293, 20.4781 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(87, 117, 121)` looks like.

```
.text, #text, p{  
    color:rgb(87, 117, 121)  
}
```

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(87, 117, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 117, 121) }
```

Border

The CSS property to change the border of an element to XYZ 13.7430, 16.1293, 20.4781 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(87, 117, 121) }
```


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

```
.border{ border-color:rgb(87, 117, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 117, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 117, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 117, 121);  
box-shadow:4px 4px 4px 4px rgb(87, 117,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7430, 16.1293, 20.4781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 117, 121) }
```

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

```
.background{ background-color: rgb(87, 117,  
121) }
```

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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