

Converting Colors

XYZ(13.1127, 16.3921, 23.9295)

Have a look what the booklet for
XYZ(13.1127, 16.3921, 23.9295)
contains.

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Color

**XYZ(13.1141, 16.4373,
23.9543)**

Conversions

Conversions Part 1

Format	Color
Hex	417983
RGB	65, 121, 131
RGB Percent	25%, 47%, 51%
CMY	0.7451, 0.5255, 0.4863
CMYK	0.50, 0.08, 0.00, 0.49
HSL	189°, 34%, 38%
HSV	189°, 50%, 51%
XYZ	13.1141, 16.4373, 23.9543
YIQ	105.3960, -36.5860, -8.7620

Conversions

Conversions Part 2

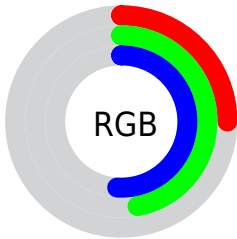
Format	Color
R_{YB}	65, 95, 131
Decimal	4290947
CIE _{Lab}	47.54, -15.53, -11.18
CIE _{LCh}	48, 19.132, 215.756
Yxy	16.4373, 0.2451, 0.3072
Android (android.graphics.Color)	4282481027 (0xFF417983)
YUV	105.3960, 12.6228, -35.4273
Hunter-Lab	40.5429, -13.2122, -6.6507

Details

The XYZ color **13.1141, 16.4373, 23.9543** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.8306, 10.2394, 6.3016**, and the grayscale version is **13.5091, 14.2126, 15.4775**.

A 20% lighter version of the original color is **31.0665, 37.1994, 50.8902**, and **3.8779, 5.2633, 8.7942** is the 20% darker color. If you saturate the color by 10%, you get **12.1069, 15.5640, 23.8391**, and if you desaturate by 10%, it is **14.3285, 17.4254, 24.0813**.

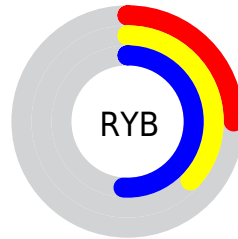
Distribution



Red (25%)

Green (47%)

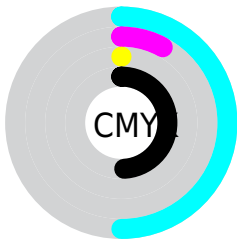
Blue (51%)



Red (25%)

Yellow (37%)

Blue (51%)

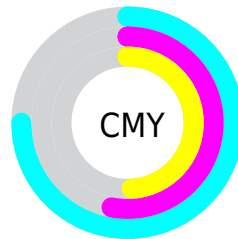


Cyan (50%)

Magenta (8%)

Yellow (0%)

Black (49%)



Cyan (75%)

Magenta (53%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1141, 16.4373, 23.9543 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 13.1141, 16.4373, 23.9543 by changing the saturation by 10% instead.

■ 13.1141, 16.4373,
23.9543

■ 13.1141, 16.4373,
23.9543

205.2705,
231.9085, 285.8685

■ 7.5847, 9.8341,
15.0878

■ 31.1082, 37.3557,
50.8985

■ 3.8799, 5.2891,
8.7337

■ 44.3036, 52.4398,
69.8133

■ 1.6344, 2.4179,
4.4735

■ 60.7850, 71.1196,
92.9147

■ 0.4147, 0.8351,
1.8885

■ 80.9179, 93.7795,
120.6211

■ 0.0000, 0.0000,
0.4854

■ 105.0675,
120.8039, 153.3512

■ 0.0000, 0.0000,
0.0000

133.5993,

152.5773, 191.5234

166.8785,
189.4841, 235.5563

■ 13.1141, 16.4373,
23.9543

■ 13.1141, 16.4373,
23.9543

■ 12.1069, 15.5640,
23.8391

■ 14.3285, 17.4254,
24.0813

■ 11.2912, 14.7965,
23.7340

■ 15.7612, 18.5332,
24.2196

■ 10.6515, 14.1269,
23.6384

■ 17.4247, 19.7674,
24.3702

■ 10.1692, 13.5458,
23.5517

■ 19.3297, 21.1336,
24.5335

■ 9.7981, 13.0413,
23.4739

■ 21.4864, 22.6371,
24.7100

■ 23.9045, 24.2828,
24.9002

■ 26.5930, 26.0757,
25.1046

■ 29.5605, 28.0200,
25.3235

■ 32.8153, 30.1201,
25.5573

Harmonies

Analogous

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



12.5869, 16.4373, 18.8543



13.1141, 16.4373, 23.9543



14.3170, 16.4373, 27.8802

Triad

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



13.1141, 16.4373, 23.9543



18.8025, 16.4373, 22.0302



15.2971, 16.4373, 10.0955

Complementary

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



13.1141, 16.4373, 23.9543



12.8306, 10.2394, 6.3016

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.



17.0064, 16.4373, 10.6372



13.1141, 16.4373, 23.9543



19.1122, 16.4373, 16.9735

Square

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



13.1141, 16.4373, 23.9543



17.6153, 16.4373, 26.6356



18.4334, 16.4373, 12.9587



13.7871, 16.4373, 11.3159

Rectangle

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



13.1141, 16.4373, 23.9543



15.3821, 16.4373, 28.9708



18.4334, 16.4373, 12.9587



15.8667, 16.4373, 10.0808

Sweetspot

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



13.1146, 16.4379, 23.9547



32.8654, 36.6000, 43.7855



11.5633, 17.8634, 9.4777



7.5099, 8.4193, 10.1820



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.



13.1146, 16.4379, 23.9547



21.5187, 27.7250, 42.6705



9.7751, 9.7589, 22.8415



4.7432, 5.1619, 5.9471



9.6461, 12.8400, 23.1067



0.0375, 0.0526, 0.0814

Inverse Universe

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



14.7020, 9.9868, 19.2427



24.7930, 15.1939, 32.7773



15.6666, 15.9114, 7.2470



4.8284, 4.7510, 5.7086



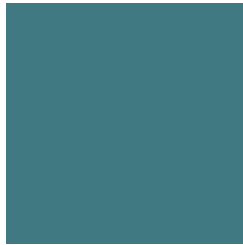
12.0470, 5.8832, 15.3519



0.0438, 0.0212, 0.0639

Previews

White Background



This preview shows how the XYZ color 13.1141, 16.4373, 23.9543 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 13.1141, 16.4373, 23.9543 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 13.1141, 16.4373, 23.9543

Background



This preview shows how black text looks on a background with the XYZ color 13.1141, 16.4373, 23.9543.



This preview shows how white text looks on a background with the XYZ color 13.1141, 16.4373,

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

13.1141, 16.4373, 23.9543

Protanopia

15.9417, 16.2291, 21.6943

Deuteranopia

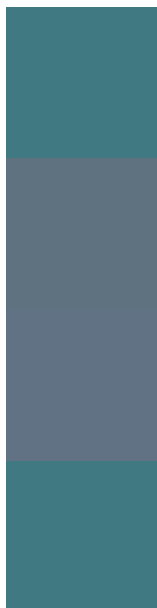
16.6196, 16.3560, 24.4714



Tritanopia

13.1141, 16.4373, 23.9543

Trichromacy



Original Color

13.1141, 16.4373, 23.9543

Protanomaly

14.5776, 16.1735, 22.4321

Deuteranomaly

15.0060, 16.1874, 24.1634

Tritanomaly

13.1141, 16.4373, 23.9543

Monochromacy



Original Color

13.1141, 16.4373, 23.9543

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.9382, 14.7574, 18.0861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1141, 16.4373, 23.9543 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(65, 121, 131)` looks like.

```
.text, #text, p{  
    color:rgb(65, 121, 131)  
}
```

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(65, 121, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 121, 131) }
```

Border

The CSS property to change the border of an element to XYZ 13.1141, 16.4373, 23.9543 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(65, 121, 131) }
```


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

```
.border{ border-color:rgb(65, 121, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 121, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 121, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 121, 131);  
box-shadow:4px 4px 4px 4px rgb(65, 121,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1141, 16.4373, 23.9543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 121, 131) }
```

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

```
.background{ background-color: rgb(65, 121,  
131) }
```

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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