

Converting Colors

XYZ(13.7779, 13.6391, 18.3488)

Have a look what the booklet for
XYZ(13.7779, 13.6391, 18.3488)
contains.

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Color

**XYZ(13.7499, 13.6325,
18.4296)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6574
RGB	106, 101, 116
RGB Percent	42%, 40%, 45%
CMY	0.5843, 0.6039, 0.5451
CMYK	0.09, 0.13, 0.00, 0.55
HSL	260°, 7%, 43%
HSV	260°, 13%, 45%
XYZ	13.7499, 13.6325, 18.4296
YIQ	104.2050, -1.8350, 5.7250

Conversions

Conversions Part 2

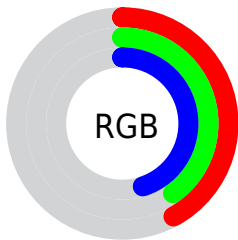
Format	Color
R_{YB}	106, 101, 116
Decimal	6972788
CIE _{Lab}	43.70, 5.14, -7.70
CIE _{LCh}	44, 9.259, 303.746
Yxy	13.6325, 0.3001, 0.2976
Android (android.graphics.Color)	4285162868 (0xFF6A6574)
YUV	104.2050, 5.8149, 1.5742
Hunter-Lab	36.9222, 1.8598, -3.7489

Details

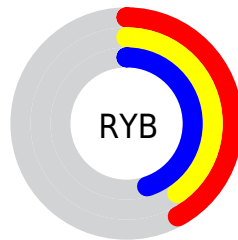
The XYZ color **13.7499, 13.6325, 18.4296** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1504, 16.8102, 14.7588**, and the grayscale version is **13.1986, 13.8860, 15.1218**.

A 20% lighter version of the original color is **32.2007, 32.4517, 41.6124**, and **4.1662, 3.9855, 6.0185** is the 20% darker color. If you saturate the color by 10%, you get **11.8242, 11.0844, 18.0395**, and if you desaturate by 10%, it is **15.9183, 16.5425, 18.8772**.

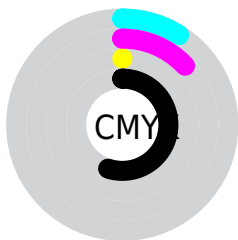
Distribution



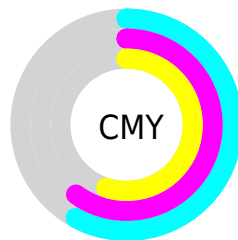
- Red (42%)
- Green (40%)
- Blue (45%)



- Red (42%)
- Yellow (40%)
- Blue (45%)



- Cyan (9%)
- Magenta (13%)
- Yellow (0%)
- Black (55%)



- Cyan (58%)
- Magenta (60%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7499, 13.6325, 18.4296 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 13.7499, 13.6325, 18.4296 by changing the saturation by 10% instead.

■ 13.7499, 13.6325,
18.4296

■ 13.7499, 13.6325,
18.4296

209.2113,
214.9325, 255.5984

■ 8.0275, 7.8655,
11.0862

■ 32.2346, 32.4355,
41.5918

■ 4.1645, 4.0090,
6.0100

■ 45.7275, 46.2403,
58.2477

■ 1.7956, 1.6786,
2.7823

■ 62.5414, 63.4932,
78.8448

■ 0.5150, 0.4097,
0.9846

■ 83.0415, 84.5786,
103.8018

■ 0.0000, 0.0000,
0.0000

107.5931,
109.8808, 133.5371

136.5617,

139.7842, 168.4693

170.3127,
174.6733, 209.0168

■ 13.7499, 13.6325,
18.4296

■ 13.7499, 13.6325,
18.4296

■ 11.8242, 11.0844,
18.0395

■ 15.9183, 16.5425,
18.8772

■ 10.1312, 8.8822,
17.7036

■ 18.3366, 19.8261,
19.3836

■ 8.6619, 7.0109,
17.4199

■ 21.0131, 23.4969,
19.9510

■ 7.4064, 5.4541,
17.1856

■ 23.9553, 27.5671,
20.5816

■ 6.3537, 4.1938,
16.9978

■ 27.1705, 32.0483,
21.2771

■ 5.4920, 3.2102,
16.8533

■ 30.6657, 36.9518,
22.0393

■ 4.8081, 2.4807,
16.7486

■ 34.4475, 42.2883,
22.8701

■ 4.2856, 1.9773,
16.6790

■ 38.5225, 48.0682,
23.7709

■ 3.9762, 1.6856,
16.6390

■ 42.8968, 54.3015,
24.7435

Harmonies

Analogous

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



13.0489, 13.6325, 19.2102



13.7499, 13.6325, 18.4296



14.2526, 13.6325, 16.6868

Triad

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



13.7499, 13.6325, 18.4296



13.5859, 13.6325, 11.5330



11.6111, 13.6325, 15.1067

Complementary

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



13.7499, 13.6325, 18.4296



15.1504, 16.8102, 14.7588

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.



11.7429, 13.6325, 13.1411



13.7499, 13.6325, 18.4296



12.8661, 13.6325, 11.1944

Square

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



13.7499, 13.6325, 18.4296



14.1554, 13.6325, 12.7276



12.1957, 13.6325, 11.7556



11.8287, 13.6325, 17.1817

Rectangle

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



13.7499, 13.6325, 18.4296



14.3980, 13.6325, 15.2841



12.1957, 13.6325, 11.7556



11.6161, 13.6325, 14.4114

Sweetspot

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



13.7503, 13.6331, 18.4299



27.5121, 28.4453, 33.0850



14.2315, 15.4516, 18.7556



6.5034, 6.7051, 7.8804



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.7503, 13.6331, 18.4299



22.9460, 22.3364, 32.1465



14.6488, 14.0962, 18.4719



3.6050, 3.6437, 4.6035



4.4438, 1.8822, 18.6716



20.8315, 8.7475, 90.9508

Inverse Universe

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



14.7259, 14.1687, 16.9984



25.0846, 23.5113, 28.9761



14.2748, 16.3588, 14.7178



3.7772, 3.7382, 4.3536



9.5910, 4.7701, 8.3204



46.3287, 23.0816, 38.3897

Previews

White Background



This preview shows how the XYZ color 13.7499, 13.6325, 18.4296 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 13.7499, 13.6325, 18.4296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

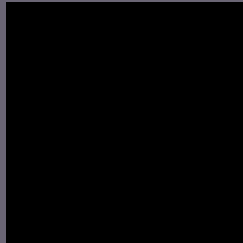
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7499, 13.6325, 18.4296

Background



This preview shows how black text looks on a background with the XYZ color 13.7499, 13.6325, 18.4296.



This preview shows how white text looks on a background with the XYZ color 13.7499, 13.6325,

18.4296.

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

13.7499, 13.6325, 18.4296

Protanopia

13.3291, 13.5538, 18.7432

Deuteranopia

13.8695, 13.6941, 18.4352



Tritanopia

13.3915, 13.6318, 16.6772

Trichromacy



Original Color

13.7499, 13.6325, 18.4296

Protanomaly

13.5558, 13.6707, 18.7539

Deuteranomaly

13.8695, 13.6941, 18.4352

Tritanomaly

13.5017, 13.6759, 17.2573

Monochromacy



Original Color

13.7499, 13.6325, 18.4296

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.3827, 13.7865, 16.1431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7499, 13.6325, 18.4296 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(106, 101, 116)` looks like.

```
.text, #text, p{  
    color:rgb(106, 101, 116)  
}
```

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(106, 101, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 101, 116) }
```

Border

The CSS property to change the border of an element to XYZ 13.7499, 13.6325, 18.4296 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(106, 101, 116) }
```


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

```
.border{ border-color:rgb(106, 101, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 101, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 101, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 101, 116);  
box-shadow:4px 4px 4px 4px rgb(106, 101,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7499, 13.6325, 18.4296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 101, 116) }
```

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

```
.background{ background-color: rgb(106,  
101, 116) }
```

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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