

Converting Colors

XYZ(13.7617, 17.6108, 19.0695)

Have a look what the booklet for
XYZ(13.7617, 17.6108, 19.0695)
contains.

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Color

**XYZ(13.7943, 17.6337,
19.1996)**

Conversions

Conversions Part 1

Format	Color
Hex	507D74
RGB	80, 125, 116
RGB Percent	31%, 49%, 45%
CMY	0.6863, 0.5098, 0.5451
CMYK	0.36, 0.00, 0.07, 0.51
HSL	168°, 22%, 40%
HSV	168°, 36%, 49%
XYZ	13.7943, 17.6337, 19.1996
YIQ	110.5190, -23.9310, -12.3390

Conversions

Conversions Part 2

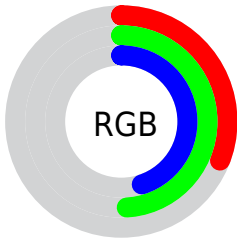
Format	Color
R_{YB}	80, 105, 125
Decimal	5274996
CIE _{Lab}	49.05, -17.62, 0.00
CIE _{LCh}	49, 17.624, 179.997
Yxy	17.6337, 0.2725, 0.3483
Android (android.graphics.Color)	4283465076 (0xFF507D74)
YUV	110.5190, 2.7021, -26.7652
Hunter-Lab	41.9925, -14.8506, 2.2865

Details

The XYZ color **13.7943, 17.6337, 19.1996** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.1299, 10.8191, 10.8482**, and the grayscale version is **14.9681, 15.7476, 17.1492**.

A 20% lighter version of the original color is **32.3484, 39.4932, 42.9638**, and **4.1929, 5.8775, 6.3823** is the 20% darker color. If you saturate the color by 10%, you get **12.6921, 17.0825, 18.3992**, and if you desaturate by 10%, it is **15.0978, 18.2891, 20.0306**.

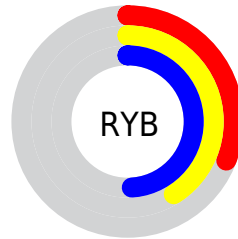
Distribution



Red (31%)

Green (49%)

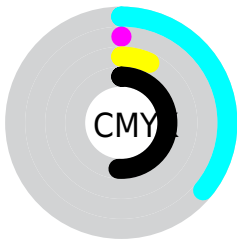
Blue (45%)



Red (31%)

Yellow (41%)

Blue (49%)

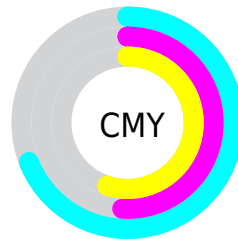


Cyan (36%)

Magenta (0%)

Yellow (7%)

Black (51%)



Cyan (69%)

Magenta (51%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7943, 17.6337, 19.1996 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 13.7943, 17.6337, 19.1996 by changing the saturation by 10% instead.

■ 13.7943, 17.6337,
19.1996

■ 13.7943, 17.6337,
19.1996

209.4837,
238.7982, 260.0078

■ 8.0585, 10.6873,
11.6363

■ 32.3129, 39.4122,
42.9123

■ 4.1845, 5.8570,
6.3770

■ 45.8264, 55.0130,
59.8988

■ 1.8070, 2.7583,
3.0032

■ 62.6632, 74.2675,
80.8634

■ 0.5219, 1.0069,
1.0963

■ 83.1886, 97.5601,
106.2248

■ 0.0000, 0.0000,
0.0000

■ 107.7680,
125.2750, 136.4013

136.7668,

157.7967, 171.8117

170.5502,
195.5097, 212.8743

■ 13.7943, 17.6337,
19.1996

■ 13.7943, 17.6337,
19.1996

■ 12.6921, 17.0825,
18.3992

■ 15.0978, 18.2891,
20.0306

■ 11.7788, 16.6278,
17.6276

■ 16.6112, 19.0518,
20.8916

■ 11.0429, 16.2641,
16.8844

■ 18.3445, 19.9274,
21.7837

■ 10.4709, 15.9845,
16.1689

■ 20.3064, 20.9204,
22.7074

■ 10.0475, 15.7810,
15.4801

■ 22.5053, 22.0351,
23.6632

■ 9.7454, 15.6397,
14.8166

■ 24.9491, 23.2756,
24.6517

■ 9.6341, 15.5879,
14.5571

■ 27.6455, 24.6458,
25.6734

■ 30.6015, 26.1494,
26.7287

■ 33.8242, 27.7899,
27.8182

Harmonies

Analogous

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



14.1696, 17.6337, 15.0203



13.7943, 17.6337, 19.1996



14.1694, 17.6337, 24.0902

Triad

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



13.7943, 17.6337, 19.1996



18.3906, 17.6337, 28.1544



18.3909, 17.6337, 12.3799

Complementary

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



13.7943, 17.6337, 19.1996



13.1299, 10.8191, 10.8482

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.



19.6492, 17.6337, 15.0210



13.7943, 17.6337, 19.1996



19.6490, 17.6337, 24.0912

Square

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



13.7943, 17.6337, 19.1996



16.7601, 17.6337, 29.7484



20.1236, 17.6337, 19.2006



16.7605, 17.6337, 11.4965

Rectangle

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



13.7943, 17.6337, 19.1996



14.8096, 17.6337, 27.0017



20.1236, 17.6337, 19.2006



18.8752, 17.6337, 13.0677

Sweetspot

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



13.7948, 17.6344, 19.2000



31.1645, 34.8322, 38.1594



12.9743, 17.4083, 10.2661



7.0139, 7.8852, 8.6410



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.7948, 17.6344, 19.2000



23.0872, 30.7690, 33.2240



12.8323, 14.8304, 21.5891



4.4107, 4.8726, 5.3341



10.0522, 16.2674, 15.1794



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.1299, 10.8191, 10.8482



21.7188, 16.7034, 16.0063



13.7985, 12.7246, 9.3186



4.3602, 4.3572, 4.7015



9.0080, 4.6229, 1.3660



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.7943, 17.6337, 19.1996 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 13.7943, 17.6337, 19.1996 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

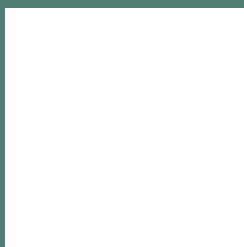
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7943, 17.6337, 19.1996

Background



This preview shows how black text looks on a background with the XYZ color 13.7943, 17.6337, 19.1996.



This preview shows how white text looks on a background with the XYZ color 13.7943, 17.6337,

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

13.7943, 17.6337, 19.1996

Protanopia

16.7224, 17.5604, 17.5471

Deuteranopia

17.7281, 17.3559, 19.8684



Tritanopia

14.9040, 17.7167, 24.4639

Trichromacy



Original Color

13.7943, 17.6337, 19.1996

Protanomaly

15.4032, 17.3892, 18.1674

Deuteranomaly

15.9380, 17.2818, 19.6352

Tritanomaly

14.5408, 17.7607, 22.4004

Monochromacy



Original Color

13.7943, 17.6337, 19.1996

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.4816, 16.3924, 18.0236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7943, 17.6337, 19.1996 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(80, 125, 116) looks like.

```
.text, #text, p{  
    color:rgb(80, 125, 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(80, 125, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 125, 116) }
```

Border

The CSS property to change the border of an element to XYZ 13.7943, 17.6337, 19.1996 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(80, 125, 116) }
```


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

```
.border{ border-color:rgb(80, 125, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 125, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 125, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 125, 116);  
box-shadow:4px 4px 4px 4px rgb(80, 125,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7943, 17.6337, 19.1996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 125, 116) }
```

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

```
.background{ background-color: rgb(80, 125,  
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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