

Converting Colors

XYZ(17.9112, 18.2300, 24.4002)

Have a look what the booklet for
XYZ(17.9112, 18.2300, 24.4002)
contains.

XYZ(17.8623, 18.1704, 24.3956)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.8623, 18.1704,
24.3956)**

Conversions

Conversions Part 1

Format	Color
Hex	757584
RGB	117, 117, 132
RGB Percent	46%, 46%, 52%
CMY	0.5412, 0.5412, 0.4823
CMYK	0.11, 0.11, 0.00, 0.48
HSL	240°, 6%, 49%
HSV	240°, 11%, 52%
XYZ	17.8623, 18.1704, 24.3956
YIQ	118.7100, -4.8150, 4.6650

Conversions

Conversions Part 2

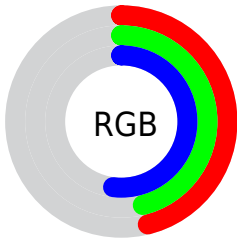
Format	Color
R_{YB}	117, 117, 132
Decimal	7697796
CIE Lab	49.70, 3.20, -8.19
CIE LCh	50, 8.796, 291.326
Yxy	18.1704, 0.2956, 0.3007
Android (android.graphics.Color)	4285887876 (0xFF757584)
YUV	118.7100, 6.5520, -1.4997
Hunter-Lab	42.6268, 0.2018, -4.0934

Details

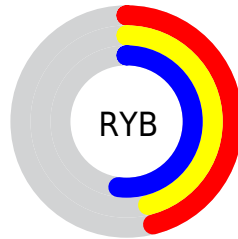
The XYZ color **17.8623, 18.1704, 24.3956** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.9781, 22.6925, 20.1046**, and the grayscale version is **17.4245, 18.3319, 19.9635**.

A 20% lighter version of the original color is **39.3071, 40.3137, 51.6086**, and **6.1437, 6.1460, 9.0461** is the 20% darker color. If you saturate the color by 10%, you get **14.7814, 14.4582, 23.8417**, and if you desaturate by 10%, it is **21.4113, 22.4468, 25.0343**.

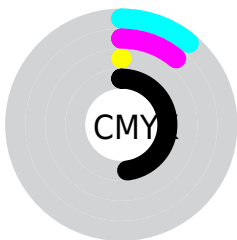
Distribution



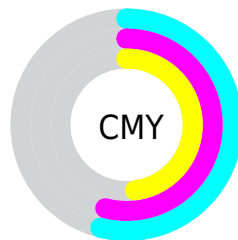
- Red (46%)
- Green (46%)
- Blue (52%)



- Red (46%)
- Yellow (46%)
- Blue (52%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)
- Black (48%)



- Cyan (54%)
- Magenta (54%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8623, 18.1704, 24.3956 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 17.8623, 18.1704, 24.3956 by changing the saturation by 10% instead.

■ 17.8623, 18.1704,
24.3956

■ 17.8623, 18.1704,
24.3956

233.1544,
241.8298, 288.1651

■ 10.9503, 11.0724,
15.4124

■ 39.3345, 40.3275,
51.6269

■ 6.1004, 6.1155,
8.9595

■ 54.6253, 56.1553,
70.7121

■ 2.9475, 2.9155,
4.6183

■ 73.4398, 75.6619,
94.0017

■ 1.1261, 1.0878,
1.9703

■ 96.1433, 99.2316,
121.9143

■ 0.0467, 0.0000,
0.5369

123.1011,
127.2489, 154.8684

■ 0.0000, 0.0000,
0.0000

154.6787,

160.0981, 193.2826

191.2413,
198.1636, 237.5753

■ 17.8623, 18.1704,
24.3956

■ 17.8623, 18.1704,
24.3956

■ 14.7814, 14.4582,
23.8417

■ 21.4113, 22.4468,
25.0343

■ 12.1474, 11.2845,
23.3680

■ 25.4451, 27.3071,
25.7598

■ 9.9403, 8.6251,
22.9710

■ 29.9815, 32.7731,
26.5757

■ 8.1374, 6.4527,
22.6467

■ 35.0369, 38.8644,
27.4850

■ 6.7143, 4.7380,
22.3907

■ 40.6271, 45.6001,
28.4905

■ 5.6439, 3.4482,
22.1982

■ 46.7672, 52.9983,
29.5949

■ 4.8953, 2.5462,
22.0635

■ 53.4715, 61.0764,
30.8008

■ 4.4327, 1.9887,
21.9803

■ 60.7541, 69.8511,
32.1106

■ 4.1650, 1.6661,
21.9322

■ 68.6283, 79.3387,
33.5269

Harmonies

Analogous

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



17.0289, 18.1704, 24.6991



17.8623, 18.1704, 24.3956



18.5575, 18.1704, 22.8064

Triad

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



17.8623, 18.1704, 24.3956



18.2956, 18.1704, 16.4001



15.7279, 18.1704, 19.0976

Complementary

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



17.8623, 18.1704, 24.3956



20.9781, 22.6925, 20.1046

Split Complementary

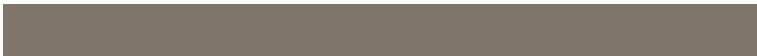
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.0443, 18.1704, 17.0421



17.8623, 18.1704, 24.3956



17.5142, 18.1704, 15.5693

Square

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



17.8623, 18.1704, 24.3956



18.8132, 18.1704, 18.1553



16.6918, 18.1704, 15.7944



15.8143, 18.1704, 21.5083

Rectangle

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



17.8623, 18.1704, 24.3956



18.8402, 18.1704, 21.2971



16.6918, 18.1704, 15.7944



15.7903, 18.1704, 18.3453

Sweetspot

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



17.8628, 18.1712, 24.3960



36.5908, 38.1843, 43.8949



19.7355, 21.9439, 24.9359



8.4069, 8.7549, 10.1995



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.



17.8628, 18.1712, 24.3960



29.7799, 29.9776, 42.6699



18.8749, 18.6928, 24.4433



4.4345, 4.5446, 5.8442



4.0327, 1.6132, 21.2355



0.0140, 0.0056, 0.0736

Inverse Universe

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



19.0884, 18.9130, 19.4749



32.4461, 31.5915, 31.9636



19.8835, 22.1284, 20.0534



4.6726, 4.6887, 4.8882



9.2136, 4.7498, 0.4314



0.0319, 0.0165, 0.0015

Previews

White Background



This preview shows how the XYZ color 17.8623, 18.1704, 24.3956 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 17.8623, 18.1704, 24.3956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

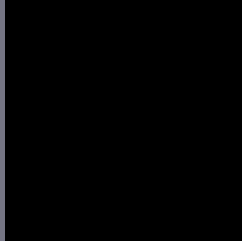
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

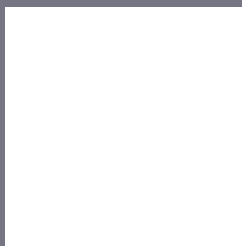
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.8623, 18.1704, 24.3956

Background



This preview shows how black text looks on a background with the XYZ color 17.8623, 18.1704, 24.3956.



This preview shows how white text looks on a background with the XYZ color 17.8623, 18.1704,

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

17.8623, 18.1704, 24.3956

Protanopia

17.7286, 18.1015, 24.3893

Deuteranopia

18.4640, 18.1384, 24.3577



Tritanopia

17.5117, 18.2022, 22.6691

Trichromacy



Original Color

17.8623, 18.1704, 24.3956

Protanomaly

17.7286, 18.1015, 24.3893

Deuteranomaly

18.2954, 18.2217, 24.3827

Tritanomaly

17.6433, 18.2548, 23.3625

Monochromacy



Original Color

17.8623, 18.1704, 24.3956

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.5877, 18.2637, 21.6670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8623, 18.1704, 24.3956 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(117, 117, 132)` looks like.

```
.text, #text, p{  
    color:rgb(117, 117, 132)  
}
```

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(117, 117, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 117, 132) }
```

Border

The CSS property to change the border of an element to XYZ 17.8623, 18.1704, 24.3956 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(117, 117, 132) }
```


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

```
.border{ border-color:rgb(117, 117, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 117, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 117, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 117, 132);  
box-shadow:4px 4px 4px 4px rgb(117, 117,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8623, 18.1704, 24.3956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 117, 132) }
```

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

```
.background{ background-color: rgb(117,  
117, 132) }
```

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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