

Converting Colors

XYZ(17.7097, 14.7042, 23.7146)

Have a look what the booklet for
XYZ(17.7097, 14.7042, 23.7146)
contains.

XYZ(17.7728, 14.7559, 23.7412)	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(17.7728, 14.7559,
23.7412)**

Conversions

Conversions Part 1

Format	Color
Hex	845F84
RGB	132, 95, 132
RGB Percent	52%, 37%, 52%
CMY	0.4823, 0.6274, 0.4824
CMYK	0.00, 0.28, 0.00, 0.48
HSL	300°, 16%, 45%
HSV	300°, 28%, 52%
XYZ	17.7728, 14.7559, 23.7412
YIQ	110.2810, 10.1750, 19.3510

Conversions

Conversions Part 2

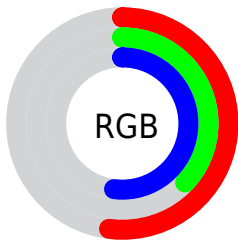
Format	Color
R_{YB}	132, 95, 132
Decimal	8675204
CIE _{Lab}	45.30, 21.70, -14.69
CIE _{LCh}	45, 26.208, 325.906
Yxy	14.7559, 0.3158, 0.2622
Android (android.graphics.Color)	4286865284 (0xFF845F84)
YUV	110.2810, 10.7075, 19.0476
Hunter-Lab	38.4134, 15.3634, -9.7545

Details

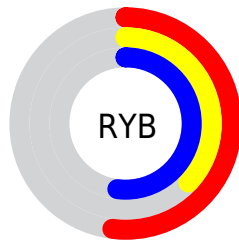
The XYZ color **17.7728, 14.7559, 23.7412** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.0368, 19.7622, 13.8493**, and the grayscale version is **14.8702, 15.6446, 17.0370**.

A 20% lighter version of the original color is **39.2855, 34.4997, 50.4875**, and **6.0596, 4.5169, 8.5351** is the 20% darker color. If you saturate the color by 10%, you get **16.6832, 12.5765, 23.3781**, and if you desaturate by 10%, it is **19.0648, 17.3396, 24.1721**.

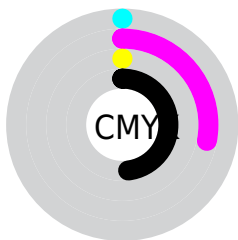
Distribution



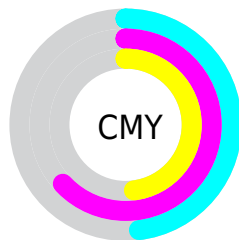
- Red (52%)
- Green (37%)
- Blue (52%)



- Red (52%)
- Yellow (37%)
- Blue (52%)



- Cyan (0%)
- Magenta (28%)
- Yellow (0%)
- Black (48%)



- Cyan (48%)
- Magenta (63%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7728, 14.7559, 23.7412 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 17.7728, 14.7559, 23.7412 by changing the saturation by 10% instead.

■ 17.7728, 14.7559,
23.7412

■ 17.7728, 14.7559,
23.7412

232.6577,
221.8840, 284.7537

■ 10.8857, 8.6483,
14.9313

■ 39.1829, 34.4244,
50.5461

■ 6.0567, 4.5125,
8.6251

■ 54.4367, 48.7540,
69.3782

■ 2.9206, 1.9642,
4.4040

■ 73.2100, 66.5931,
92.3881

■ 1.1119, 0.5865,
1.8495

■ 95.8682, 88.3260,
119.9943

■ 0.0351, 0.0000,
0.4603

122.7768,
114.3371, 152.6155

■ 0.0000, 0.0000,
0.0000

154.3010,

145.0109, 190.6701

190.8062,
180.7317, 234.5767

■ 17.7728, 14.7559,
23.7412

■ 17.7728, 14.7559,
23.7412

■ 16.6832, 12.5765,
23.3781

■ 19.0648, 17.3396,
24.1721

■ 15.7845, 10.7791,
23.0785

■ 20.5673, 20.3446,
24.6730

■ 15.0661, 9.3424,
22.8389

■ 22.2896, 23.7891,
25.2471

■ 14.5159, 8.2419,
22.6555

■ 24.2399, 27.6898,
25.8973

■ 14.1201, 7.4504,
22.5235

■ 26.4263, 32.0626,
26.6262

■ 13.8631, 6.9363,
22.4377

■ 28.8563, 36.9225,
27.4363

■ 13.7089, 6.6280,
22.3863

■ 31.5370, 42.2838,
28.3299

■ 13.6807, 6.5715,
22.3768

■ 34.4753, 48.1605,
29.3094

■ 37.6779, 54.5656,
30.3770

Harmonies

Analogous

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



15.9285, 14.7559, 29.3946



17.7728, 14.7559, 23.7412



18.6133, 14.7559, 16.9353

Triad

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



17.7728, 14.7559, 23.7412



14.3251, 14.7559, 6.8504



10.5959, 14.7559, 21.8747

Complementary

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



17.7728, 14.7559, 23.7412



15.0368, 19.7622, 13.8493

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.



10.2605, 14.7559, 15.2283



17.7728, 14.7559, 23.7412



12.2796, 14.7559, 7.5351

Square

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



17.7728, 14.7559, 23.7412



16.4970, 14.7559, 8.0621



10.8451, 14.7559, 10.2548



11.8132, 14.7559, 28.1364

Rectangle

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



17.7728, 14.7559, 23.7412



18.4338, 14.7559, 13.0086



10.8451, 14.7559, 10.2548



10.3821, 14.7559, 19.5699

Sweetspot

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



17.7733, 14.7565, 23.7415



36.1861, 35.7512, 43.4465



12.9770, 12.2840, 23.5173



8.3371, 8.1481, 10.0860



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.



17.7733, 14.7565, 23.7415



29.9767, 23.3326, 41.3764



16.6174, 14.2942, 17.6546



4.8579, 4.7628, 5.8640



13.2461, 6.3628, 21.6660



0.0459, 0.0220, 0.0751

Inverse Universe

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



17.7733, 14.7565, 23.7415



29.9767, 23.3326, 41.3764



15.9800, 20.1395, 18.8165



4.8579, 4.7628, 5.8640



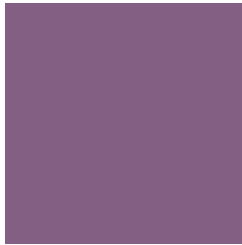
13.2461, 6.3628, 21.6660



0.0459, 0.0220, 0.0751

Previews

White Background



This preview shows how the XYZ color 17.7728, 14.7559, 23.7412 looks on a white background.

Color Contrast Check

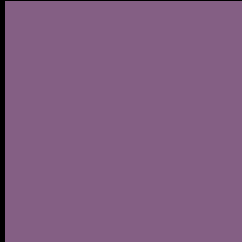
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7728, 14.7559, 23.7412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

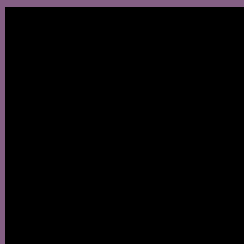
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.7728, 14.7559, 23.7412

Background



This preview shows how black text looks on a background with the XYZ color 17.7728, 14.7559, 23.7412.



This preview shows how white text looks on a background with the XYZ color 17.7728, 14.7559,

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

17.7728, 14.7559, 23.7412

Protanopia

14.9247, 14.7982, 26.8807

Deuteranopia

15.1442, 14.8407, 23.1854



Tritanopia

16.2643, 14.8430, 15.9177

Trichromacy



Original Color

17.7728, 14.7559, 23.7412

Protanomaly

15.6971, 14.6239, 25.6623

Deuteranomaly

15.9529, 14.6591, 23.4614

Tritanomaly

16.7260, 14.7421, 18.4870

Monochromacy



Original Color

17.7728, 14.7559, 23.7412

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.7928, 15.2627, 19.2532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7728, 14.7559, 23.7412 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(132, 95, 132)` looks like.

```
.text, #text, p{  
    color:rgb(132, 95, 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(132, 95, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 95, 132) }
```

Border

The CSS property to change the border of an element to XYZ 17.7728, 14.7559, 23.7412 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(132, 95, 132) }
```


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

```
.border{ border-color:rgb(132, 95, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 95, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 95, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 95, 132);  
box-shadow:4px 4px 4px 4px rgb(132, 95,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7728, 14.7559, 23.7412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 95, 132) }
```

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

```
.background{ background-color: rgb(132, 95,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor