

Converting Colors

XYZ(20.8865, 15.2687, 17.7562)

Have a look what the booklet for
XYZ(20.8865, 15.2687, 17.7562)
contains.

XYZ(20.7830, 15.1855, 17.7553)	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(20.7830, 15.1855,
17.7553)**

Conversions

Conversions Part 1

Format	Color
Hex	A05572
RGB	160, 85, 114
RGB Percent	63%, 33%, 45%
CMY	0.3725, 0.6666, 0.5529
CMYK	0.00, 0.47, 0.29, 0.37
HSL	337°, 31%, 48%
HSV	337°, 47%, 63%
XYZ	20.7830, 15.1855, 17.7553
YIQ	110.7310, 35.3910, 24.9190

Conversions

Conversions Part 2

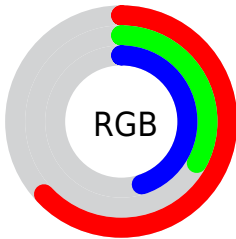
Format	Color
RYB	160, 85, 114
Decimal	10507634
CIELab	45.89, 34.47, -2.56
CIELCh	46, 34.567, 355.746
Yxy	15.1855, 0.3868, 0.2827
Android (android.graphics.Color)	4288697714 (0xFFA05572)
YUV	110.7310, 1.6116, 43.2089
Hunter-Lab	38.9686, 27.0039, 0.2636

Details

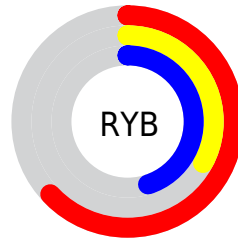
The XYZ color **20.7830, 15.1855, 17.7553** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **20.4146, 28.7121, 25.9403**, and the grayscale version is **15.0203, 15.8025, 17.2089**.

A 20% lighter version of the original color is **44.4439, 35.3962, 40.5661**, and **7.5581, 4.7193, 5.6668** is the 20% darker color. If you saturate the color by 10%, you get **19.1339, 12.7337, 14.5959**, and if you desaturate by 10%, it is **22.7778, 18.2324, 21.3260**.

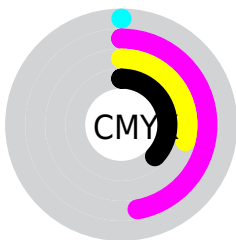
Distribution



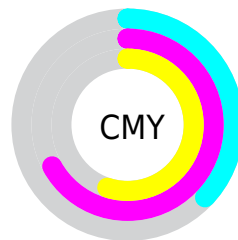
- Red (63%)
- Green (33%)
- Blue (45%)



- Red (63%)
- Yellow (33%)
- Blue (45%)



- Cyan (0%)
- Magenta (47%)
- Yellow (29%)
- Black (37%)



- Cyan (37%)
- Magenta (67%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7830, 15.1855, 17.7553 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 20.7830, 15.1855, 17.7553 by changing the saturation by 10% instead.

■ 20.7830, 15.1855,
17.7553

■ 20.7830, 15.1855,
17.7553

248.8766,
224.4863, 251.6778

■ 13.0770, 8.9497,
10.6068

■ 44.2201, 35.1783,
40.4282

■ 7.5590, 4.7084,
5.6923

■ 60.6820, 49.7040,
56.7897

■ 3.8635, 2.0772,
2.5931

■ 80.7931, 67.7619,
77.0593

■ 1.6252, 0.6518,
0.8889

■ 104.9190, 89.7362,
101.6556

■ 0.4087, 0.0000,
0.0000

■ 133.4250,
116.0114, 130.9970

■ 0.0000, 0.0000,
0.0000

166.6763,

146.9719, 165.5022

205.0384,
183.0020, 205.5896

■ 20.7830, 15.1855,
17.7553

■ 20.7830, 15.1855,
17.7553

■ 19.1339, 12.7337,
14.5959

■ 22.7778, 18.2324,
21.3260

■ 17.8077, 10.8351,
11.8304

■ 25.1363, 21.9081,
25.3224

■ 16.7812, 9.4459,
9.4415


■ 27.8769, 26.2465,
29.7594


■ 16.0268, 8.5146,
7.4098


■ 31.0164, 31.2784,
34.6505


■ 15.5037, 7.9631,
5.7105


■ 34.5704, 37.0324,
40.0091

 15.3630, 7.8199,
5.2373

 38.5537, 43.5359,
45.8475

 42.9804, 50.8146,
52.1778

 47.8639, 58.8930,
59.0116

 53.2172, 67.7946,
66.3601

Harmonies

Analogous

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



19.5855, 15.1855, 27.3286



20.7830, 15.1855, 17.7553



20.1001, 15.1855, 10.4905

Triad

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



20.7830, 15.1855, 17.7553



12.1307, 15.1855, 5.8731



11.4999, 15.1855, 33.6902

Complementary

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



20.7830, 15.1855, 17.7553



20.4146, 28.7121, 25.9403

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.



9.9464, 15.1855, 24.5429



20.7830, 15.1855, 17.7553



10.2747, 15.1855, 9.0387

Square

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



20.7830, 15.1855, 17.7553



14.8536, 15.1855, 5.1291



9.5299, 15.1855, 15.3708



14.0211, 15.1855, 38.2938

Rectangle

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



20.7830, 15.1855, 17.7553



18.7136, 15.1855, 7.4889



9.5299, 15.1855, 15.3708



10.8613, 15.1855, 30.9211

Sweetspot

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



20.7834, 15.1862, 17.7556



52.0288, 49.9102, 56.2650



18.8003, 13.7818, 34.9271



11.1677, 10.5582, 11.9565



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.7834, 15.1862, 17.7556



34.6856, 23.0390, 26.3903



20.0081, 15.8715, 10.6042



6.7339, 6.6865, 7.4499



11.9878, 6.0997, 4.1866



0.2343, 0.1171, 0.1801

Inverse Universe

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



20.7834, 15.1862, 17.7556



34.6856, 23.0390, 26.3903



21.4016, 27.0890, 37.3586



6.7339, 6.6865, 7.4499



11.9878, 6.0997, 4.1866



0.2343, 0.1171, 0.1801

Previews

White Background



This preview shows how the XYZ color 20.7830, 15.1855, 17.7553 looks on a white background.

Color Contrast Check

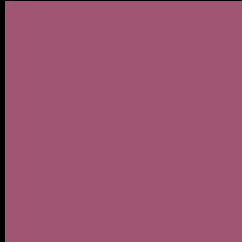
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7830, 15.1855, 17.7553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

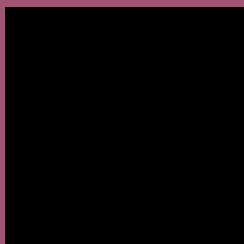
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7830, 15.1855, 17.7553

Background



This preview shows how black text looks on a background with the XYZ color 20.7830, 15.1855, 17.7553.



This preview shows how white text looks on a background with the XYZ color 20.7830, 15.1855,

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

20.7830, 15.1855, 17.7553

Protanopia

15.1507, 15.3134, 22.9261

Deuteranopia

15.6310, 15.3777, 17.1833



Tritanopia

19.7385, 15.2401, 12.7278

Trichromacy



Original Color

20.7830, 15.1855, 17.7553

Protanomaly

16.6527, 14.9296, 21.0728

Deuteranomaly

17.1238, 14.9735, 17.3169

Tritanomaly

20.1861, 15.3097, 14.4615

Monochromacy



Original Color

20.7830, 15.1855, 17.7553

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.7293, 15.3397, 17.4084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7830, 15.1855, 17.7553 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(160, 85, 114)` looks like.

```
.text, #text, p{  
    color:rgb(160, 85, 114)  
}
```

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(160, 85, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 85, 114) }
```

Border

The CSS property to change the border of an element to XYZ 20.7830, 15.1855, 17.7553 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(160, 85, 114) }
```


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

```
.border{ border-color:rgb(160, 85, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 85, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 85, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 85, 114);  
box-shadow:4px 4px 4px 4px rgb(160, 85,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7830, 15.1855, 17.7553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 85, 114) }
```

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

```
.background{ background-color: rgb(160, 85,  
114) }
```

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