

Converting Colors

XYZ(20.3932, 20.5413, 22.7332)

Have a look what the booklet for
XYZ(20.3932, 20.5413, 22.7332)
contains.

XYZ(20.3646, 20.5778, 22.6372)	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(20.3646, 20.5778,
22.6372)**

Conversions

Conversions Part 1

Format	Color
Hex	847B7E
RGB	132, 123, 126
RGB Percent	52%, 48%, 49%
CMY	0.4823, 0.5176, 0.5059
CMYK	0.00, 0.07, 0.05, 0.48
HSL	340°, 4%, 50%
HSV	340°, 7%, 52%
XYZ	20.3646, 20.5778, 22.6372
YIQ	126.0330, 4.4010, 2.8410

Conversions

Conversions Part 2

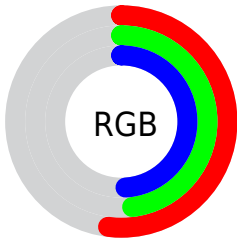
Format	Color
R_{YB}	132, 123, 126
Decimal	8682366
CIE Lab	52.48, 4.00, -0.41
CIE LCh	52, 4.021, 354.216
Yxy	20.5778, 0.3203, 0.3237
Android (android.graphics.Color)	4286872446 (0xFF847B7E)
YUV	126.0330, -0.0163, 5.2331
Hunter-Lab	45.3628, 0.7488, 2.1667

Details

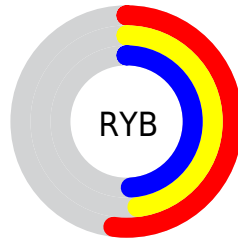
The XYZ color **20.3646, 20.5778, 22.6372** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.3829, 22.2991, 23.9999**, and the grayscale version is **19.8419, 20.8752, 22.7331**.

A 20% lighter version of the original color is **43.4742, 44.2289, 48.8935**, and **7.3556, 7.2724, 8.0372** is the 20% darker color. If you saturate the color by 10%, you get **18.2931, 17.3040, 19.2666**, and if you desaturate by 10%, it is **22.7080, 24.3150, 26.3456**.

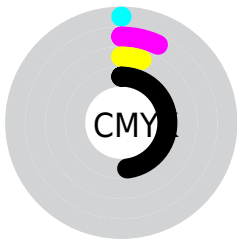
Distribution



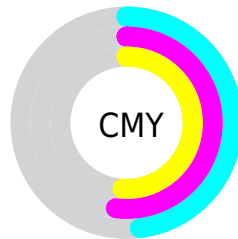
- Red (52%)
- Green (48%)
- Blue (49%)



- Red (52%)
- Yellow (48%)
- Blue (49%)



- Cyan (0%)
- Magenta (7%)
- Yellow (5%)
- Black (48%)



- Cyan (48%)
- Magenta (52%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3646, 20.5778, 22.6372 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 20.3646, 20.5778, 22.6372 by changing the saturation by 10% instead.

■ 20.3646, 20.5778,
22.6372

■ 20.3646, 20.5778,
22.6372

246.6782,
255.0261, 278.9173

■ 12.7702, 12.8157,
14.1231

■ 43.5269, 44.3838,
48.7125

■ 7.3464, 7.3018,
8.0666

■ 59.8255, 61.1965,
67.1108

■ 3.7279, 3.6515,
4.0492

■ 79.7562, 81.7950,
89.6409

■ 1.5494, 1.4806,
1.6524

103.6843,
106.5635, 116.7214

■ 0.3591, 0.2750,
0.3278

131.9752,
135.8864, 148.7707

■ 0.0000, 0.0000,
0.0000

164.9942,

170.1483, 186.2074

203.1068,
209.7334, 229.4501

■ 20.3646, 20.5778,
22.6372

■ 20.3646, 20.5778,
22.6372

■ 18.2931, 17.3040,
19.2666

■ 22.7080, 24.3150,
26.3456

■ 16.4819, 14.4730,
16.2229

■ 25.3312, 28.5300,
30.3996

■ 14.9207, 12.0662,
13.4962

■ 28.2438, 33.2398,
34.8088

■ 13.5981, 10.0631,
11.0759

■ 31.4544, 38.4600,
39.5816

■ 12.5017, 8.4411,
8.9506

■ 34.9713, 44.2052,
44.7262

■ 11.6180, 7.1758,
7.1083

■ 38.8024, 50.4896,
50.2508

■ 10.9319, 6.2395,
5.5360

■ 42.9554, 57.3269,
56.1630

■ 10.4262, 5.6005,
4.2193

■ 47.4376, 64.7301,
62.4703

■ 10.0701, 5.2003,
3.1389

■ 52.2562, 72.7119,
69.1800

Harmonies

Analogous

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



20.2142, 20.5778, 23.7710



20.3646, 20.5778, 22.6372



20.2966, 20.5778, 21.4799

Triad

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



20.3646, 20.5778, 22.6372



19.2326, 20.5778, 20.3823



19.0949, 20.5778, 24.3144

Complementary

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



20.3646, 20.5778, 22.6372



20.3829, 22.2991, 23.9999

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.



18.8387, 20.5778, 23.3578



20.3646, 20.5778, 22.6372



18.9173, 20.5778, 21.0937

Square

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



20.3646, 20.5778, 22.6372



19.6392, 20.5778, 20.2046



18.7741, 20.5778, 22.1758



19.4781, 20.5778, 24.7611

Rectangle

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



20.3646, 20.5778, 22.6372



20.1370, 20.5778, 20.8470



18.7741, 20.5778, 22.1758



18.9913, 20.5778, 24.0402

Sweetspot

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



20.3652, 20.5787, 22.6376



37.7814, 39.2859, 42.9171



20.3018, 20.4999, 24.7171



8.8097, 9.1680, 10.0133



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.



20.3652, 20.5787, 22.6376



35.3478, 35.4159, 39.0322



20.3621, 20.8774, 21.6965



4.7318, 4.7124, 5.2002



9.6556, 4.9266, 2.7589



0.0366, 0.0183, 0.0260

Inverse Universe

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



20.3652, 20.5787, 22.6376



35.3478, 35.4159, 39.0322



20.3833, 21.9761, 24.9977



4.7318, 4.7124, 5.2002



9.6556, 4.9266, 2.7589



0.0366, 0.0183, 0.0260

Previews

White Background



This preview shows how the XYZ color 20.3646, 20.5778, 22.6372 looks on a white 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

Black Background



This preview shows how the XYZ color 20.3646, 20.5778, 22.6372 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 20.3646, 20.5778, 22.6372

Background



This preview shows how black text looks on a background with the XYZ color 20.3646, 20.5778, 22.6372.



This preview shows how white text looks on a background with the XYZ color 20.3646, 20.5778,

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

20.3646, 20.5778, 22.6372

Protanopia

19.9168, 20.7116, 23.0267

Deuteranopia

20.9198, 20.4995, 22.5929



Tritanopia

20.7973, 20.5716, 24.7044

Trichromacy



Original Color

20.3646, 20.5778, 22.6372

Protanomaly

20.0917, 20.6147, 22.9988

Deuteranomaly

20.7171, 20.5763, 22.6184

Tritanomaly

20.6617, 20.5173, 23.9903

Monochromacy



Original Color

20.3646, 20.5778, 22.6372

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.0016, 20.7628, 22.6921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3646, 20.5778, 22.6372 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, 123, 126)` looks like.

```
.text, #text, p{  
    color:rgb(132, 123, 126)  
}
```

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, 123, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 123, 126) }
```

Border

The CSS property to change the border of an element to XYZ 20.3646, 20.5778, 22.6372 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, 123, 126) }
```


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

```
.border{ border-color:rgb(132, 123, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 123, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 123, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 123, 126);  
box-shadow:4px 4px 4px 4px rgb(132, 123,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3646, 20.5778, 22.6372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 123, 126) }
```

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

```
.background{ background-color: rgb(132,  
123, 126) }
```

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