

Converting Colors

XYZ(13.5540, 17.7338, 22.3634)

Have a look what the booklet for
XYZ(13.5540, 17.7338, 22.3634)
contains.

XYZ(13.6020, 17.8434, 22.4659)	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(13.6020, 17.8434,
22.4659)**

Conversions

Conversions Part 1

Format	Color
Hex	427F7E
RGB	66, 127, 126
RGB Percent	26%, 50%, 49%
CMY	0.7412, 0.5020, 0.5059
CMYK	0.48, 0.00, 0.01, 0.50
HSL	179°, 32%, 38%
HSV	179°, 48%, 50%
XYZ	13.6020, 17.8434, 22.4659
YIQ	108.6470, -36.0350, -13.2430

Conversions

Conversions Part 2

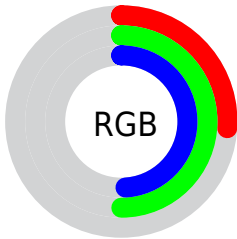
Format	Color
RYB	66, 97, 127
Decimal	4358014
CIELab	49.31, -19.96, -5.59
CIElCh	49, 20.725, 195.637
Yxy	17.8434, 0.2523, 0.3310
Android (android.graphics.Color)	4282548094 (0xFF427F7E)
YUV	108.6470, 8.5550, -37.4014
Hunter-Lab	42.2414, -16.4445, -1.9641




Details

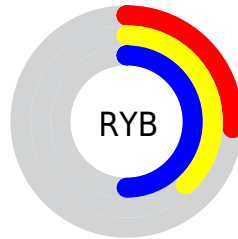
The XYZ color **13.6020, 17.8434, 22.4659** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.7143, 8.8141, 6.3946**, and the grayscale version is **14.4202, 15.1712, 16.5214**.




A 20% lighter version of the original color is **32.0657, 39.8191, 48.6436**, and **4.1265, 6.0169, 7.9651** is the 20% darker color. If you saturate the color by 10%, you get **12.8263, 17.4455, 22.3598**, and if you desaturate by 10%, it is **14.5688, 18.3407, 22.5819**.

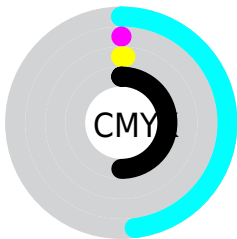
Distribution







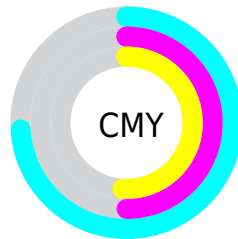
-  Red (26%)
-  Green (50%)
-  Blue (49%)






-  Red (26%)
-  Yellow (38%)
-  Blue (50%)



-  Cyan (48%)
-  Magenta (0%)
-  Yellow (1%)
-  Black (50%)



-  Cyan (74%)
-  Magenta (50%)
-  Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6020, 17.8434, 22.4659 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 13.6020, 17.8434, 22.4659 by changing the saturation by 10% instead.

■ 13.6020, 17.8434,
22.4659

■ 13.6020, 17.8434,
22.4659

208.3011,
239.9869, 278.0022

■ 7.9242, 10.8376,
13.9981

■ 31.9733, 39.7703,
48.4269

■ 4.0979, 5.9577,
7.9806

■ 45.3976, 55.4602,
66.7570

■ 1.7577, 2.8194,
3.9949

■ 62.1348, 74.8136,
89.2118

■ 0.4920, 1.0382,
1.6226

■ 82.5502, 98.2149,
116.2096

■ 0.0000, 0.0000,
0.3068

■ 107.0091,
126.0485, 148.1690

■ 0.0000, 0.0000,
0.0000

135.8771,

158.6987, 185.5085

169.5193,
196.5501, 228.6467

■ 13.6020, 17.8434,
22.4659

■ 13.6020, 17.8434,
22.4659

■ 12.8263, 17.4455,
22.3598

■ 14.5688, 18.3407,
22.5819

■ 12.2274, 17.1383,
22.2618

■ 15.7368, 18.9412,
22.7070

■ 11.7916, 16.9152,
22.1715

■ 17.1170, 19.6512,
22.8422

■ 11.5023, 16.7676,
22.0882

■ 18.7193, 20.4757,
22.9880

■ 11.3200, 16.6751,
22.0101

■ 20.5531, 21.4195,
23.1447

■ 11.2861, 16.6580,
21.9948

■ 22.6271, 22.4871,
23.3128

■ 24.9496, 23.6828,
23.4927

■ 27.5284, 25.0106,
23.6847

■ 30.3711, 26.4745,
23.8893

Harmonies

Analogous

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



13.5834, 17.8434, 16.8868



13.6020, 17.8434, 22.4659



14.4729, 17.8434, 28.1518

Triad

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



13.6020, 17.8434, 22.4659



19.7811, 17.8434, 27.9364



17.9060, 17.8434, 10.7786

Complementary

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



13.6020, 17.8434, 22.4659



11.7143, 8.8141, 6.3946

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.



19.7160, 17.8434, 12.7236



13.6020, 17.8434, 22.4659



20.8535, 17.8434, 22.2131

Square

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



13.6020, 17.8434, 22.4659



17.9895, 17.8434, 31.6990



20.8288, 17.8434, 16.6779



15.9698, 17.8434, 10.8203

Rectangle

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



13.6020, 17.8434, 22.4659



15.4608, 17.8434, 30.9315



20.8288, 17.8434, 16.6779



18.5523, 17.8434, 11.2027

Sweetspot

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



13.6025, 17.8441, 22.4663



31.6651, 35.7108, 40.9976



10.8891, 16.7667, 7.8169



7.2935, 8.2990, 9.5876



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.6025, 17.8441, 22.4663



22.8053, 31.1560, 40.0150



10.4006, 11.3362, 21.7195



4.4435, 4.8857, 5.5066



11.3818, 16.7993, 22.1812



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.7143, 8.8141, 6.3946



18.9832, 12.8697, 7.4774



13.8723, 13.1777, 6.9669



4.3304, 4.3453, 4.5444



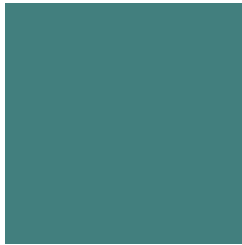
8.8385, 4.5551, 0.4735



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.6020, 17.8434, 22.4659 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 13.6020, 17.8434, 22.4659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

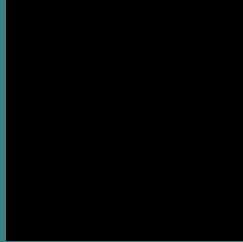
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

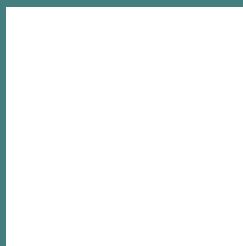
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.6020, 17.8434, 22.4659

Background



This preview shows how black text looks on a background with the XYZ color 13.6020, 17.8434, 22.4659.



This preview shows how white text looks on a background with the XYZ color 13.6020, 17.8434,

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

13.6020, 17.8434, 22.4659

Protanopia

17.0464, 17.6742, 19.9658

Deuteranopia

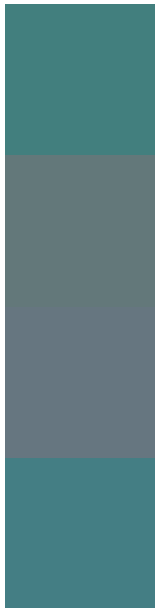
17.8936, 17.5328, 23.2100



Tritanopia

14.3590, 17.9645, 26.0032

Trichromacy



Original Color

13.6020, 17.8434, 22.4659

Protanomaly

15.3749, 17.4907, 20.9781

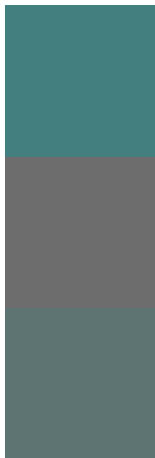
Deuteranomaly

15.8542, 17.3402, 22.9335

Tritanomaly

14.0096, 17.8166, 24.5304

Monochromacy



Original Color

13.6020, 17.8434, 22.4659

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.8541, 16.0557, 18.5885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6020, 17.8434, 22.4659 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(66, 127, 126)` looks like.

```
.text, #text, p{  
    color:rgb(66, 127, 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(66, 127, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 127, 126) }
```

Border

The CSS property to change the border of an element to XYZ 13.6020, 17.8434, 22.4659 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(66, 127, 126) }
```


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

```
.border{ border-color:rgb(66, 127, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 127, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 127, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 127, 126);  
box-shadow:4px 4px 4px 4px rgb(66, 127,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6020, 17.8434, 22.4659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 127, 126) }
```

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

```
.background{ background-color: rgb(66, 127,  
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