

Converting Colors

XYZ(13.9484, 17.1180, 20.9798)

Have a look what the booklet for
XYZ(13.9484, 17.1180, 20.9798)
contains.

XYZ(13.9521, 17.1180, 20.9811)	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(13.9521, 17.1180,
20.9811)**

Conversions

Conversions Part 1

Format	Color
Hex	527A7A
RGB	82, 122, 122
RGB Percent	32%, 48%, 48%
CMY	0.6784, 0.5216, 0.5216
CMYK	0.33, 0.00, 0.00, 0.52
HSL	180°, 20%, 40%
HSV	180°, 33%, 48%
XYZ	13.9521, 17.1180, 20.9811
YIQ	110.0400, -23.8400, -8.4800

Conversions

Conversions Part 2

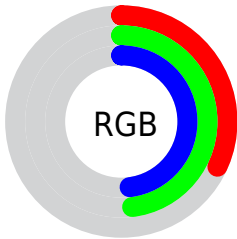
Format	Color
R_{YB}	82, 102, 122
Decimal	5405306
CIE _{Lab}	48.41, -13.87, -4.47
CIE _{LCh}	48, 14.568, 197.868
Y _{xy}	17.1180, 0.2680, 0.3289
Android (android.graphics.Color)	4283595386 (0xFF527A7A)
YUV	110.0400, 5.8963, -24.5911
Hunter-Lab	41.3739, -12.2106, -1.1048

Details

The XYZ color **13.9521, 17.1180, 20.9811** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.5670, 10.7820, 9.4022**, and the grayscale version is **14.8214, 15.5933, 16.9811**.

A 20% lighter version of the original color is **32.6428, 38.7025, 45.7943**, and **4.2123, 5.5695, 7.1563** is the 20% darker color. If you saturate the color by 10%, you get **12.9842, 16.6195, 20.9361**, and if you desaturate by 10%, it is **15.1096, 17.7152, 21.0358**.

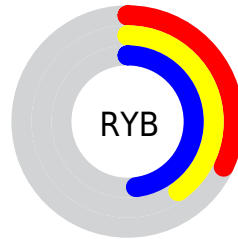
Distribution



Red (32%)

Green (48%)

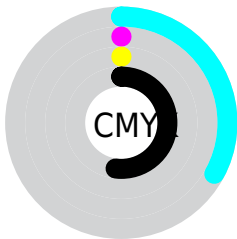
Blue (48%)



Red (32%)

Yellow (40%)

Blue (48%)

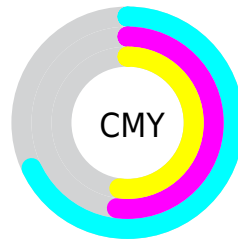


Cyan (33%)

Magenta (0%)

Yellow (0%)

Black (52%)



Cyan (68%)

Magenta (52%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9521, 17.1180, 20.9811 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 13.9521, 17.1180, 20.9811 by changing the saturation by 10% instead.

■ 13.9521, 17.1180,
20.9811

■ 13.9521, 17.1180,
20.9811

210.4492,
235.8515, 269.9558

■ 8.1688, 10.3187,
12.9191

■ 32.5910, 38.5285,
45.9365

■ 4.2559, 5.6107,
7.2428

■ 46.1773, 53.9085,
63.6669

■ 1.8479, 2.6099,
3.5336

■ 63.0954, 72.9175,
85.4572

■ 0.5463, 0.9316,
1.3732

■ 83.7106, 95.9399,
111.7259

■ 0.0000, 0.0000,
0.1207

■ 108.3882,
123.3601, 142.8916

■ 0.0000, 0.0000,
0.0000

137.4936,

155.5625, 179.3728

171.3921,
192.9315, 221.5880

■ 13.9521, 17.1180,
20.9811

■ 13.9521, 17.1180,
20.9811

■ 12.9842, 16.6195,
20.9361

■ 15.1096, 17.7152,
21.0358

■ 12.1945, 16.2124,
20.8990

■ 16.4646, 18.4137,
21.0993

■ 11.5726, 15.8918,
20.8698

■ 18.0262, 19.2187,
21.1725

■ 11.1063, 15.6514,
20.8478

■ 19.8024, 20.1344,
21.2557

■ 10.7819, 15.4841,
20.8325

■ 21.8011, 21.1647,
21.3494

■ 10.5827, 15.3815,
20.8231

■ 24.0296, 22.3135,
21.4538

■ 10.4725, 15.3247,
20.8179

■ 26.4947, 23.5844,
21.5692

■ 29.2033, 24.9807,
21.6961

■ 32.1617, 26.5058,
21.8347

Harmonies

Analogous

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



13.8923, 17.1180, 17.1391



13.9521, 17.1180, 20.9811



14.6117, 17.1180, 24.6250

Triad

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



13.9521, 17.1180, 20.9811



18.2445, 17.1180, 24.0052



16.8144, 17.1180, 12.3475

Complementary

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



13.9521, 17.1180, 20.9811



12.5670, 10.7820, 9.4022

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.



18.0496, 17.1180, 13.7107



13.9521, 17.1180, 20.9811



18.9049, 17.1180, 20.2231

Square

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



13.9521, 17.1180, 20.9811



17.0687, 17.1180, 26.5282



18.8317, 17.1180, 16.4773



15.4969, 17.1180, 12.4924

Rectangle

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



13.9521, 17.1180, 20.9811



15.3241, 17.1180, 26.2927



18.8317, 17.1180, 16.4773



17.2543, 17.1180, 12.6359

Sweetspot

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



13.9526, 17.1187, 20.9815



29.6292, 32.7364, 37.1498



12.0211, 16.3528, 10.5060



6.7071, 7.4504, 8.4912



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.9526, 17.1187, 20.9815



23.2943, 29.4706, 36.8528



11.8103, 12.8339, 20.2677



4.1071, 4.5124, 5.0977



11.0255, 16.1339, 21.9172



52.5929, 76.9602, 104.5467

Inverse Universe

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



12.5670, 10.7820, 9.4022



20.4752, 16.5784, 13.2943



14.2358, 14.1197, 9.9583



3.9983, 4.0150, 4.1888



8.4502, 4.3562, 0.3956



40.3081, 20.7796, 1.8866

Previews

White Background



This preview shows how the XYZ color 13.9521, 17.1180, 20.9811 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 13.9521, 17.1180, 20.9811 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 13.9521, 17.1180, 20.9811

Background



This preview shows how black text looks on a background with the XYZ color 13.9521, 17.1180, 20.9811.



This preview shows how white text looks on a background with the XYZ color 13.9521, 17.1180,

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

13.9521, 17.1180, 20.9811

Protanopia

16.4307, 17.0320, 19.2511

Deuteranopia

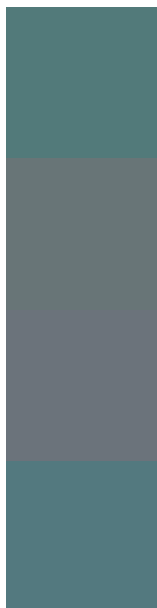
17.2077, 16.8891, 21.4218



Tritanopia

14.5228, 17.1713, 23.6680

Trichromacy



Original Color

13.9521, 17.1180, 20.9811

Protanomaly

15.4000, 16.9975, 19.9220

Deuteranomaly

15.7693, 16.8173, 21.1538

Tritanomaly

14.2354, 17.0461, 22.6186

Monochromacy



Original Color

13.9521, 17.1180, 20.9811

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.3101, 15.9589, 18.2457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9521, 17.1180, 20.9811 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(82, 122, 122)` looks like.

```
.text, #text, p{  
    color:rgb(82, 122, 122)  
}
```

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(82, 122, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 122, 122) }
```

Border

The CSS property to change the border of an element to XYZ 13.9521, 17.1180, 20.9811 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(82, 122, 122) }
```


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

```
.border{ border-color:rgb(82, 122, 122) }
```

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

Here you see how a box with a 4 pixel rgb(82, 122, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 122, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 122, 122);  
box-shadow:4px 4px 4px 4px rgb(82, 122,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9521, 17.1180, 20.9811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 122, 122) }
```

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

```
.background{ background-color: rgb(82, 122,  
122) }
```

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