

Converting Colors

XYZ(13.9614, 17.2737, 25.8909)

Have a look what the booklet for
XYZ(13.9614, 17.2737, 25.8909)
contains.

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Color

**XYZ(13.9108, 17.1724,
25.8740)**

Conversions

Conversions Part 1

Format	Color
Hex	447B88
RGB	68, 123, 136
RGB Percent	27%, 48%, 53%
CMY	0.7333, 0.5176, 0.4667
CMYK	0.50, 0.10, 0.00, 0.47
HSL	191°, 33%, 40%
HSV	191°, 50%, 53%
XYZ	13.9108, 17.1724, 25.8740
YIQ	108.0370, -36.9530, -7.6170

Conversions

Conversions Part 2

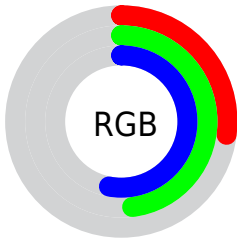
Format	Color
R _{YB}	68, 98, 136
Decimal	4488072
CIE Lab	48.48, -14.42, -12.71
CIE LCh	48, 19.223, 221.400
Yxy	17.1724, 0.2442, 0.3015
Android (android.graphics.Color)	4282678152 (0xFF447B88)
YUV	108.0370, 13.7858, -35.1124
Hunter-Lab	41.4396, -12.5989, -8.0117

Details

The XYZ color **13.9108, 17.1724, 25.8740** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.1396, 11.5370, 6.9510**, and the grayscale version is **14.2347, 14.9760, 16.3089**.

A 20% lighter version of the original color is **32.5958, 38.7897, 53.9133**, and **4.2161, 5.6146, 9.6656** is the 20% darker color. If you saturate the color by 10%, you get **12.7520, 16.1029, 25.7290**, and if you desaturate by 10%, it is **15.2993, 18.3738, 26.0330**.

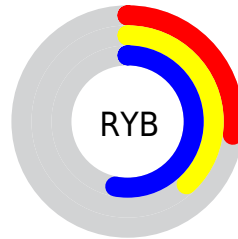
Distribution



Red (27%)

Green (48%)

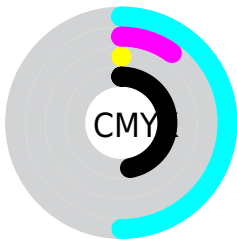
Blue (53%)



Red (27%)

Yellow (38%)

Blue (53%)

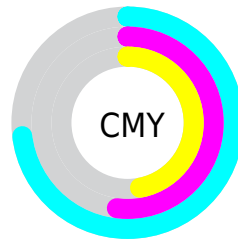


Cyan (50%)

Magenta (10%)

Yellow (0%)

Black (47%)



Cyan (73%)

Magenta (52%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9108, 17.1724, 25.8740 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 13.9108, 17.1724, 25.8740 by changing the saturation by 10% instead.

■ 13.9108, 17.1724,
25.8740

■ 13.9108, 17.1724,
25.8740

210.1969,
236.1639, 295.7488

■ 8.1399, 10.3575,
16.5045

■ 32.5183, 38.6220,
54.0532

■ 4.2372, 5.6366,
9.7236

■ 46.0856, 54.0254,
73.7000

■ 1.8372, 2.6254,
5.1129

■ 62.9824, 73.0604,
97.6095

■ 0.5399, 0.9395,
2.2538

■ 83.5741, 96.1115,
126.2005

■ 0.0000, 0.0000,
0.7051

■ 108.2261,
123.5630, 159.8913

■ 0.0000, 0.0000,
0.0000

137.3036,

155.7993, 199.1007

171.1721,
193.2048, 244.2469

■ 13.9108, 17.1724,
25.8740

■ 13.9108, 17.1724,
25.8740

■ 12.7520, 16.1029,
25.7290

■ 15.2993, 18.3738,
26.0330

■ 11.8058, 15.1553,
25.5959

■ 16.9300, 19.7124,
26.2055

■ 11.0552, 14.3210,
25.4744

■ 18.8162, 21.1957,
26.3923

■ 10.4798, 13.5895,
25.3636

■ 20.9700, 22.8300,
26.5943

■ 10.0202, 12.9300,
25.2605

■ 23.4024, 24.6209,
26.8118

■ 10.0201, 12.9298,
25.2605

■ 26.1239, 26.5741,
27.0453

■ 29.1447, 28.6949,
27.2955

■ 32.4741, 30.9881,
27.5626

■ 36.1212, 33.4586,
27.8472

Harmonies

Analogous

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



13.2218, 17.1724, 20.6813



13.9108, 17.1724, 25.8740



15.2652, 17.1724, 29.4801

Triad

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



13.9108, 17.1724, 25.8740



19.7469, 17.1724, 21.9655



15.6615, 17.1724, 10.7100

Complementary

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



13.9108, 17.1724, 25.8740



14.1396, 11.5370, 6.9510

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.



17.4262, 17.1724, 10.9289



13.9108, 17.1724, 25.8740



19.8722, 17.1724, 16.8454

Square

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



13.9108, 17.1724, 25.8740



18.6657, 17.1724, 26.9585



18.9965, 17.1724, 12.9888



14.1829, 17.1724, 12.3248

Rectangle

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



13.9108, 17.1724, 25.8740



16.4047, 17.1724, 30.1678



18.9965, 17.1724, 12.9888



16.2393, 17.1724, 10.5805

Sweetspot

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



13.9113, 17.1731, 25.8744



34.8728, 38.6645, 46.6734



12.6538, 19.4238, 10.7630



7.9175, 8.8334, 10.7940



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.9113, 17.1731, 25.8744



22.2344, 28.1481, 45.3096



10.4453, 10.2410, 24.7191



5.0930, 5.5289, 6.4046



9.4899, 12.2502, 23.9100



0.0727, 0.1007, 0.1621

Inverse Universe

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



15.7961, 10.7991, 19.9914



26.0883, 16.0447, 33.0716



17.2673, 17.7923, 7.9936



5.1935, 5.1129, 6.1077



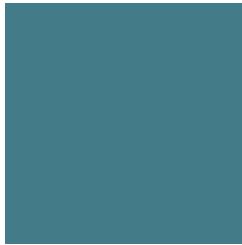
12.2769, 6.0209, 14.4943



0.0864, 0.0420, 0.1220

Previews

White Background



This preview shows how the XYZ color 13.9108, 17.1724, 25.8740 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 13.9108, 17.1724, 25.8740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

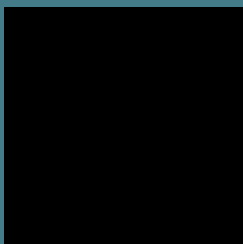
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.9108, 17.1724, 25.8740

Background



This preview shows how black text looks on a background with the XYZ color 13.9108, 17.1724, 25.8740.



This preview shows how white text looks on a background with the XYZ color 13.9108, 17.1724,

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

13.9108, 17.1724, 25.8740

Protanopia

16.7287, 17.0911, 23.5363

Deuteranopia

17.3210, 17.0007, 26.4133



Tritanopia

13.6313, 17.0527, 24.7633

Trichromacy



Original Color

13.9108, 17.1724, 25.8740

Protanomaly

15.3500, 16.8753, 24.2780

Deuteranomaly

15.6905, 16.8383, 26.0901

Tritanomaly

13.7008, 17.0804, 25.1290

Monochromacy



Original Color

13.9108, 17.1724, 25.8740

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.6893, 15.4454, 19.3993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9108, 17.1724, 25.8740 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(68, 123, 136)` looks like.

```
.text, #text, p{  
    color:rgb(68, 123, 136)  
}
```

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(68, 123, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 123, 136) }
```

Border

The CSS property to change the border of an element to XYZ 13.9108, 17.1724, 25.8740 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(68, 123, 136) }
```


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

```
.border{ border-color:rgb(68, 123, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 123, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 123, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 123, 136);  
box-shadow:4px 4px 4px 4px rgb(68, 123,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9108, 17.1724, 25.8740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 123, 136) }
```

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

```
.background{ background-color: rgb(68, 123,  
136) }
```

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](#).

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