

Converting Colors

XYZ(13.7392, 22.1444, 17.6720)

Have a look what the booklet for
XYZ(13.7392, 22.1444, 17.6720)
contains.

XYZ(13.6788, 21.9978, 17.7124)	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(13.6788, 21.9978,
17.7124)**

Conversions

Conversions Part 1

Format	Color
Hex	23926C
RGB	35, 146, 108
RGB Percent	14%, 57%, 42%
CMY	0.8627, 0.4274, 0.5765
CMYK	0.76, 0.00, 0.26, 0.43
HSL	159°, 61%, 35%
HSV	159°, 76%, 57%
XYZ	13.6788, 21.9978, 17.7124
YIQ	108.4790, -53.9580, -35.3500

Conversions

Conversions Part 2

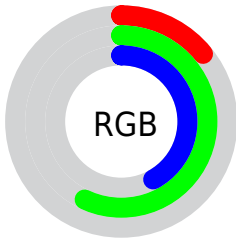
Format	Color
R _Y B	35, 102, 146
Decimal	2331244
CIE Lab	54.02, -39.81, 11.55
CIE LCh	54, 41.450, 163.815
Yxy	21.9978, 0.2562, 0.4120
Android (android.graphics.Color)	4280521324 (0xFF23926C)
YUV	108.4790, -0.2361, -64.4411
Hunter-Lab	46.9018, -30.0191, 10.4405

Details

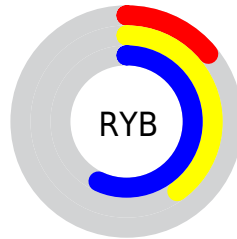
The XYZ color **13.6788, 21.9978, 17.7124** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.6584, 7.7947, 7.0889**, and the grayscale version is **14.4007, 15.1507, 16.4991**.

A 20% lighter version of the original color is **32.0744, 46.8179, 40.1471**, and **4.8183, 8.3317, 5.6292** is the 20% darker color. If you saturate the color by 10%, you get **13.0244, 21.6909, 16.3330**, and if you desaturate by 10%, it is **14.5559, 22.4189, 19.1828**.

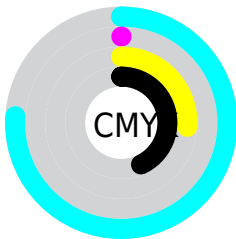
Distribution



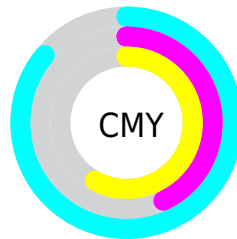
- Red (14%)
- Green (57%)
- Blue (42%)



- Red (14%)
- Yellow (40%)
- Blue (57%)



- Cyan (76%)
- Magenta (0%)
- Yellow (26%)
- Black (43%)



- Cyan (86%)
- Magenta (43%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6788, 21.9978, 17.7124 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 13.6788, 21.9978, 17.7124 by changing the saturation by 10% instead.

■ 13.6788, 21.9978,
17.7124

■ 13.6788, 21.9978,
17.7124

208.7742,
262.5348, 251.4264

■ 7.9778, 13.8553,
10.5764

■ 32.1091, 46.7424,
40.3539

■ 4.1324, 8.0201,
5.6722

■ 45.5690, 64.1132,
56.6966

■ 1.7773, 4.1078,
2.5813

■ 62.3461, 85.3289,
76.9452

■ 0.5040, 1.7340,
0.8828

■ 82.8055, 110.7739,
101.5183

■ 0.0000, 0.4456,
0.0000

■ 107.3126,
140.8326, 130.8344

■ 0.0000, 0.0000,
0.0000

■ 136.2329,

175.8894, 165.3121

169.9317,
216.3287, 205.3699

■ 13.6788, 21.9978,
17.7124

■ 13.6788, 21.9978,
17.7124

■ 13.0244, 21.6909,
16.3330

■ 14.5559, 22.4189,
19.1828

■ 12.5567, 21.4779,
15.0402

■ 15.6769, 22.9634,
20.7451

■ 12.3914, 21.4034,
14.5487

■ 17.0625, 23.6424,
22.4020

■ 18.7306, 24.4653,
24.1556

■ 20.6975, 25.4403,
26.0077

■ 22.9783, 26.5752,
27.9603

■ 25.5869, 27.8772,
30.0153

■ 28.5364, 29.3530,
32.1743

■ 31.8393, 31.0090,
34.4390

Harmonies

Analogous

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



15.4936, 21.9978, 10.1965



13.6788, 21.9978, 17.7124



13.6094, 21.9978, 30.3386

Triad

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



13.6788, 21.9978, 17.7124



23.0333, 21.9978, 56.7822



27.7602, 21.9978, 10.6104

Complementary

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



13.6788, 21.9978, 17.7124



13.6584, 7.7947, 7.0889

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.



30.4381, 21.9978, 18.5309



13.6788, 21.9978, 17.7124



27.4569, 21.9978, 46.5272

Square

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



13.6788, 21.9978, 17.7124



18.5979, 21.9978, 56.3138



30.3198, 21.9978, 31.5075



23.4024, 21.9978, 7.2130

Rectangle

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



13.6788, 21.9978, 17.7124



14.5370, 21.9978, 40.4708



30.3198, 21.9978, 31.5075



28.9127, 21.9978, 12.6790

Sweetspot

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



13.6794, 21.9987, 17.7129



37.4875, 45.3630, 46.7435



13.3955, 22.1300, 5.1559



8.0649, 9.9550, 10.1546



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.6794, 21.9987, 17.7129



22.3873, 37.9946, 27.2416



13.7786, 18.2264, 29.9870



5.8806, 6.5288, 6.9821



10.9148, 18.8387, 12.8586



0.1475, 0.2361, 0.2304

Inverse Universe

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



13.6584, 7.7947, 7.0889



22.4087, 11.6995, 7.8731



13.3705, 8.6578, 2.5569



5.8779, 5.8462, 6.4630



10.9476, 5.5841, 3.2053



0.1468, 0.0735, 0.1067

Previews

White Background



This preview shows how the XYZ color 13.6788, 21.9978, 17.7124 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 13.6788, 21.9978, 17.7124 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 13.6788, 21.9978, 17.7124

Background



This preview shows how black text looks on a background with the XYZ color 13.6788, 21.9978, 17.7124.



This preview shows how white text looks on a background with the XYZ color 13.6788, 21.9978,

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

13.6788, 21.9978, 17.7124

Protanopia

20.3359, 21.6768, 15.1688

Deuteranopia

22.0423, 21.7185, 18.6531



Tritanopia

16.7329, 21.8930, 33.0496

Trichromacy



Original Color

13.6788, 21.9978, 17.7124

Protanomaly

16.3677, 21.0165, 16.0259

Deuteranomaly

17.0644, 20.7144, 18.1378

Tritanomaly

15.3836, 21.7765, 26.6850

Monochromacy



Original Color

13.6788, 21.9978, 17.7124

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.0596, 16.7511, 16.7323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6788, 21.9978, 17.7124 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(35, 146, 108)` looks like.

```
.text, #text, p{  
    color:rgb(35, 146, 108)  
}
```

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(35, 146, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 146, 108) }
```

Border

The CSS property to change the border of an element to XYZ 13.6788, 21.9978, 17.7124 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(35, 146, 108) }
```


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

```
.border{ border-color:rgb(35, 146, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 146, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(35, 146, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(35, 146, 108); box-shadow:4px 4px 4px 4px rgb(35, 146, 108) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6788, 21.9978, 17.7124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 146, 108) }
```

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

```
.background{ background-color: rgb(35, 146,  
108) }
```

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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