

Converting Colors

XYZ(17.2020, 21.9100, 23.7462)

Have a look what the booklet for
XYZ(17.2020, 21.9100, 23.7462)
contains.

XYZ(17.2012, 21.9091, 23.7444)	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(17.2012, 21.9091,
23.7444)**

Conversions

Conversions Part 1

Format	Color
Hex	5A8A80
RGB	90, 138, 128
RGB Percent	35%, 54%, 50%
CMY	0.6471, 0.4588, 0.4980
CMYK	0.35, 0.00, 0.07, 0.46
HSL	167°, 21%, 45%
HSV	167°, 35%, 54%
XYZ	17.2012, 21.9091, 23.7444
YIQ	122.5080, -25.3980, -13.2860

Conversions

Conversions Part 2

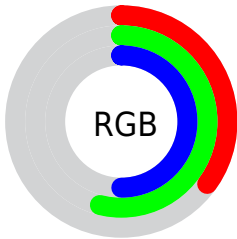
Format	Color
R_{YB}	90, 117, 138
Decimal	5933696
CIE _{Lab}	53.93, -18.60, 0.19
CIE _{LCh}	54, 18.605, 179.424
Yxy	21.9091, 0.2737, 0.3486
Android (android.graphics.Color)	4284123776 (0xFF5A8A80)
YUV	122.5080, 2.7076, -28.5095
Hunter-Lab	46.8072, -16.3154, 2.6883

Details

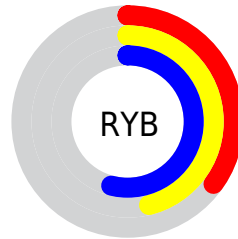
The XYZ color **17.2012, 21.9091, 23.7444** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.4384, 13.6363, 13.8231**, and the grayscale version is **18.6627, 19.6347, 21.3821**.

A 20% lighter version of the original color is **38.3455, 46.7863, 50.7257**, and **5.7761, 7.9951, 8.6359** is the 20% darker color. If you saturate the color by 10%, you get **15.7951, 21.2063, 22.7049**, and if you desaturate by 10%, it is **18.8632, 22.7443, 24.8248**.

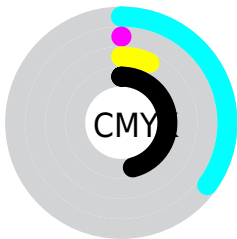
Distribution



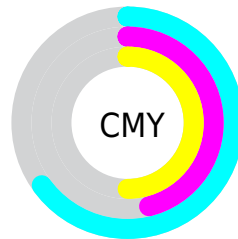
- Red (35%)
- Green (54%)
- Blue (50%)



- Red (35%)
- Yellow (46%)
- Blue (54%)



- Cyan (35%)
- Magenta (0%)
- Yellow (7%)
- Black (46%)



- Cyan (65%)
- Magenta (46%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2012, 21.9091, 23.7444 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 17.2012, 21.9091, 23.7444 by changing the saturation by 10% instead.

■ 17.2012, 21.9091,
23.7444

■ 17.2012, 21.9091,
23.7444

229.4629,
262.0712, 284.7705

■ 10.4742, 13.7901,
14.9337

■ 38.2122, 46.5957,
50.5514

■ 5.7792, 7.9748,
8.6267

■ 53.2270, 63.9321,
69.3847

■ 2.7507, 4.0789,
4.4051

■ 71.7351, 85.1098,
92.3960

■ 1.0233, 1.7178,
1.8501

■ 94.1019, 110.5132,
120.0037

■ 0.0000, 0.4351,
0.4607

120.6927,
140.5266, 152.6265

■ 0.0000, 0.0000,
0.0000

151.8729,

175.5345, 190.6829

188.0079,
215.9212, 234.5914

■ 17.2012, 21.9091,
23.7444

■ 17.2012, 21.9091,
23.7444

■ 15.7951, 21.2063,
22.7049

■ 18.8632, 22.7443,
24.8248

■ 14.6291, 20.6262,
21.7040

■ 20.7919, 23.7158,
25.9454

■ 13.6887, 20.1617,
20.7412

■ 23.0001, 24.8307,
27.1076

■ 12.9568, 19.8042,
19.8155

■ 25.4987, 26.0947,
28.3120

■ 12.4140, 19.5435,
18.9256

■ 28.2985, 27.5133,
29.5594

■ 12.0344, 19.3663,
18.0703

■ 31.4094, 29.0917,
30.8505

■ 11.8626, 19.2872,
17.6358

■ 34.8410, 30.8348,
32.1859

■ 38.6025, 32.7472,
33.5663

■ 42.7027, 34.8336,
34.9923

Harmonies

Analogous

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



17.6774, 21.9091, 18.6671



17.2012, 21.9091, 23.7444



17.6426, 21.9091, 29.7022

Triad

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



17.2012, 21.9091, 23.7444



22.7763, 21.9091, 34.8249



22.8477, 21.9091, 15.5547

Complementary

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



17.2012, 21.9091, 23.7444



16.4384, 13.6363, 13.8231

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.



24.3664, 21.9091, 18.8309



17.2012, 21.9091, 23.7444



24.3234, 21.9091, 29.9254

Square

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



17.2012, 21.9091, 23.7444



20.7852, 21.9091, 36.6897



24.9227, 21.9091, 23.9665



20.8627, 21.9091, 14.4288

Rectangle

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



17.2012, 21.9091, 23.7444



18.4151, 21.9091, 33.2647



24.9227, 21.9091, 23.9665



23.4342, 21.9091, 16.4121

Sweetspot

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



17.2018, 21.9100, 23.7449



38.3639, 42.6674, 46.6583



16.2345, 21.6482, 12.9961



8.5006, 9.5175, 10.4098



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.



17.2018, 21.9100, 23.7449



28.2746, 37.5952, 40.3600



16.0624, 18.5252, 26.7749



5.1289, 5.6711, 6.2001



10.8812, 17.6851, 16.1970



0.0775, 0.1196, 0.1349

Inverse Universe

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



16.4384, 13.6363, 13.8231



26.7170, 20.6660, 20.0810



17.2375, 15.9624, 11.8458



5.0728, 5.0645, 5.4716



9.8150, 5.0361, 1.5302



0.0697, 0.0352, 0.0336

Previews

White Background



This preview shows how the XYZ color 17.2012, 21.9091, 23.7444 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 17.2012, 21.9091, 23.7444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

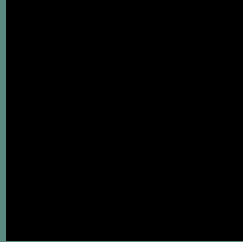
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.2012, 21.9091, 23.7444

Background



This preview shows how black text looks on a background with the XYZ color 17.2012, 21.9091, 23.7444.

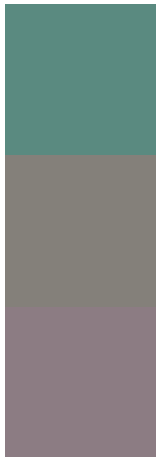


This preview shows how white text looks on a background with the XYZ color 17.2012, 21.9091,

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

17.2012, 21.9091, 23.7444

Protanopia

20.7477, 21.7490, 21.5168

Deuteranopia

22.1196, 21.6294, 24.4818



Tritanopia

18.4684, 21.7830, 30.4253

Trichromacy



Original Color

17.2012, 21.9091, 23.7444

Protanomaly

19.2255, 21.7397, 22.2517

Deuteranomaly

19.9056, 21.4498, 24.2102

Tritanomaly

17.9786, 21.7996, 27.6863

Monochromacy



Original Color

17.2012, 21.9091, 23.7444

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.9764, 20.2985, 22.3726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2012, 21.9091, 23.7444 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(90, 138, 128) looks like.

```
.text, #text, p{  
    color:rgb(90, 138, 128)  
}
```

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(90, 138, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 138, 128) }
```

Border

The CSS property to change the border of an element to XYZ 17.2012, 21.9091, 23.7444 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(90, 138, 128) }
```


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

```
.border{ border-color:rgb(90, 138, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 138, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 138, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 138, 128);  
box-shadow:4px 4px 4px 4px rgb(90, 138,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2012, 21.9091, 23.7444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 138, 128) }
```

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

```
.background{ background-color: rgb(90, 138,  
128) }
```

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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