

Converting Colors

XYZ(19.7709, 21.3372, 27.0075)

Have a look what the booklet for
XYZ(19.7709, 21.3372, 27.0075)
contains.

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Color

**XYZ(19.7738, 21.3174,
27.1172)**

Conversions

Conversions Part 1

Format	Color
Hex	75818A
RGB	117, 129, 138
RGB Percent	46%, 51%, 54%
CMY	0.5412, 0.4941, 0.4588
CMYK	0.15, 0.07, 0.00, 0.46
HSL	206°, 8%, 50%
HSV	206°, 15%, 54%
XYZ	19.7738, 21.3174, 27.1172
YIQ	126.4380, -10.0410, 0.2550

Conversions

Conversions Part 2

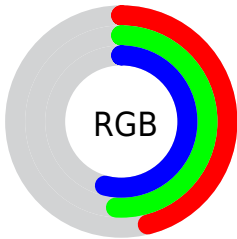
Format	Color
R_{YB}	117, 125, 138
Decimal	7700874
CIE Lab	53.30, -2.42, -6.36
CIE LCh	53, 6.801, 249.191
Yxy	21.3174, 0.2899, 0.3125
Android (android.graphics.Color)	4285890954 (0xFF75818A)
YUV	126.4380, 5.7001, -8.2771
Hunter-Lab	46.1708, -4.3517, -2.5029

Details

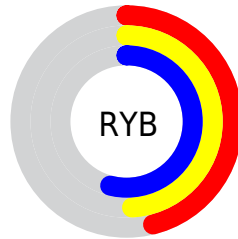
The XYZ color **19.7738, 21.3174, 27.1172** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.1531, 21.6092, 19.8861**, and the grayscale version is **19.9645, 21.0042, 22.8736**.

A 20% lighter version of the original color is **42.4941, 45.6525, 55.8623**, and **7.0844, 7.7071, 10.3468** is the 20% darker color. If you saturate the color by 10%, you get **17.2982, 18.9187, 26.7850**, and if you desaturate by 10%, it is **22.5691, 23.9489, 27.4782**.

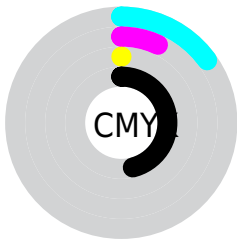
Distribution



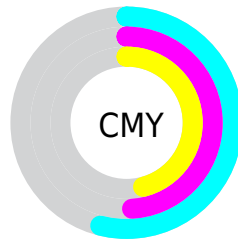
- Red (46%)
- Green (51%)
- Blue (54%)



- Red (46%)
- Yellow (49%)
- Blue (54%)



- Cyan (15%)
- Magenta (7%)
- Yellow (0%)
- Black (46%)



- Cyan (54%)
- Magenta (49%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7738, 21.3174, 27.1172 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 19.7738, 21.3174, 27.1172 by changing the saturation by 10% instead.

■ 19.7738, 21.3174,
27.1172

■ 19.7738, 21.3174,
27.1172

243.5449,
258.9605, 302.0022

■ 12.3380, 13.3562,
17.4280

■ 42.5445, 45.6152,
56.0779

■ 7.0482, 7.6743,
10.3750

■ 58.6101, 62.7206,
76.1865

■ 3.5388, 3.8872,
5.5394

■ 78.2830, 83.6428,
100.6054

■ 1.4447, 1.6107,
2.5029

101.9286,
108.7663, 129.7530

■ 0.2877, 0.3648,
0.8417

129.9122,
138.4754, 164.0480

■ 0.0000, 0.0000,
0.0000

162.5993,

173.1545, 203.9088

200.3550,
213.1881, 249.7541

■ 19.7738, 21.3174,
27.1172

■ 19.7738, 21.3174,
27.1172

■ 17.2982, 18.9187,
26.7850

■ 22.5691, 23.9489,
27.4782

■ 15.1278, 16.7426,
26.4794

■ 25.6941, 26.8179,
27.8672

■ 13.2497, 14.7818,
26.1999

■ 29.1608, 29.9322,
28.2856

■ 11.6490, 13.0275,
25.9456

■ 32.9799, 33.2982,
28.7340

■ 10.3099, 11.4703,
25.7157

■ 37.1616, 36.9223,
29.2131

■ 9.2144, 10.0997,
25.5088

■ 41.7157, 40.8105,
29.7236

■ 8.3422, 8.9038,
25.3240

■ 46.6517, 44.9687,
30.2661

■ 7.6648, 7.8669,
25.1595

■ 51.9786, 49.4026,
30.8411

■ 7.3742, 7.4083,
25.0863

■ 57.7052, 54.1175,
31.4494

Harmonies

Analogous

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



19.2076, 21.3174, 25.8071



19.7738, 21.3174, 27.1172



20.4834, 21.3174, 27.3482

Triad

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



19.7738, 21.3174, 27.1172



21.6589, 21.3174, 22.5836



19.3994, 21.3174, 20.2723

Complementary

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



19.7738, 21.3174, 27.1172



21.1531, 21.6092, 19.8861

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.



20.0413, 21.3174, 19.5136



19.7738, 21.3174, 27.1172



21.3534, 21.3174, 20.7951

Square

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



19.7738, 21.3174, 27.1172



21.5831, 21.3174, 24.6479



20.7573, 21.3174, 19.6992



18.9950, 21.3174, 21.8311

Rectangle

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



19.7738, 21.3174, 27.1172



20.9442, 21.3174, 26.8465



20.7573, 21.3174, 19.6992



19.5939, 21.3174, 19.9195

Sweetspot

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



19.7744, 21.3183, 27.1177



39.8390, 42.2671, 48.4418



20.1747, 23.4591, 23.1193



8.8650, 9.4146, 10.8563



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.



19.7744, 21.3183, 27.1177



33.4132, 36.1935, 47.6082



18.4910, 18.7515, 26.6899



4.9963, 5.3356, 6.3724



6.7756, 6.8216, 23.0053



0.0596, 0.0745, 0.1577

Inverse Universe

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



20.8054, 19.7113, 23.4780



35.5783, 32.9032, 39.9458



22.5319, 24.3668, 20.3457



5.1448, 5.0933, 5.8508



10.9068, 5.4728, 7.2797



0.0798, 0.0393, 0.0871

Previews

White Background



This preview shows how the XYZ color 19.7738, 21.3174, 27.1172 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 19.7738, 21.3174, 27.1172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

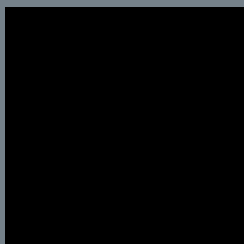
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

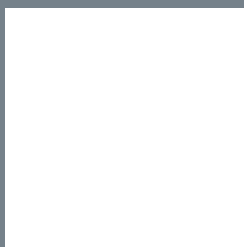
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7738, 21.3174, 27.1172

Background



This preview shows how black text looks on a background with the XYZ color 19.7738, 21.3174, 27.1172.



This preview shows how white text looks on a background with the XYZ color 19.7738, 21.3174,

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

19.7738, 21.3174, 27.1172

Protanopia

20.6572, 21.2113, 26.2980

Deuteranopia

21.6994, 21.3477, 27.4029



Tritanopia

19.8466, 21.3465, 27.5004

Trichromacy



Original Color

19.7738, 21.3174, 27.1172

Protanomaly

20.2731, 21.1958, 26.6896

Deuteranomaly

21.0231, 21.3750, 27.4438

Tritanomaly

19.8466, 21.3465, 27.5004

Monochromacy



Original Color

19.7738, 21.3174, 27.1172

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.7870, 21.0014, 24.1299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7738, 21.3174, 27.1172 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(117, 129, 138)` looks like.

```
.text, #text, p{  
    color:rgb(117, 129, 138)  
}
```

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(117, 129, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 129, 138) }
```

Border

The CSS property to change the border of an element to XYZ 19.7738, 21.3174, 27.1172 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(117, 129, 138) }
```


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

```
.border{ border-color:rgb(117, 129, 138) }
```

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

Here you see how a box with a 4 pixel rgb(117, 129, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 129, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 129, 138);  
box-shadow:4px 4px 4px 4px rgb(117, 129,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7738, 21.3174, 27.1172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 129, 138) }
```

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

```
.background{ background-color: rgb(117,  
129, 138) }
```

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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