

Converting Colors

XYZ(12.6840, 12.5550, 20.1671)

Have a look what the booklet for
XYZ(12.6840, 12.5550, 20.1671)
contains.

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Color

**XYZ(12.7044, 12.6273,
20.1801)**

Conversions

Conversions Part 1

Format	Color
Hex	60627A
RGB	96, 98, 122
RGB Percent	38%, 38%, 48%
CMY	0.6235, 0.6157, 0.5216
CMYK	0.21, 0.20, 0.00, 0.52
HSL	235°, 12%, 43%
HSV	235°, 21%, 48%
XYZ	12.7044, 12.6273, 20.1801
YIQ	100.1380, -8.8960, 7.0400

Conversions

Conversions Part 2

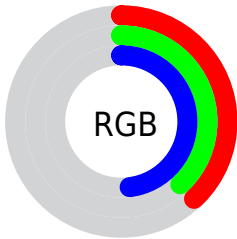
Format	Color
R_{YB}	96, 98, 122
Decimal	6316666
CIE _{Lab}	42.20, 4.80, -13.69
CIE _{LCh}	42, 14.509, 289.327
Yxy	12.6273, 0.2791, 0.2775
Android (android.graphics.Color)	4284506746 (0xFF60627A)
YUV	100.1380, 10.7780, -3.6290
Hunter-Lab	35.5349, 1.6310, -8.7961

Details

The XYZ color **12.7044, 12.6273, 20.1801** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.8540, 18.4151, 13.7328**, and the grayscale version is **12.1236, 12.7550, 13.8902**.

A 20% lighter version of the original color is **30.4200, 30.7539, 44.3772**, and **3.6972, 3.5900, 6.8014** is the 20% darker color. If you saturate the color by 10%, you get **10.5386, 10.0554, 19.7980**, and if you desaturate by 10%, it is **15.2185, 15.5995, 20.6215**.

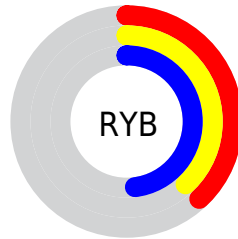
Distribution



Red (38%)

Green (38%)

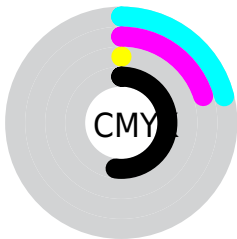
Blue (48%)



Red (38%)

Yellow (38%)

Blue (48%)

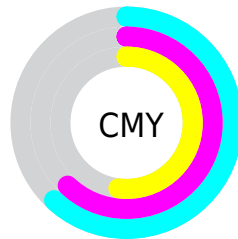


Cyan (21%)

Magenta (20%)

Yellow (0%)

Black (52%)



Cyan (62%)

Magenta (62%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7044, 12.6273, 20.1801 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 12.7044, 12.6273, 20.1801 by changing the saturation by 10% instead.

■ 12.7044, 12.6273,
20.1801

■ 12.7044, 12.6273,
20.1801

202.6905,
208.5151, 265.5249

■ 7.3009, 7.1724,
12.3407

■ 30.3775, 30.6326,
44.5819

■ 3.6990, 3.5702,
6.8508

■ 43.3779, 43.9517,
61.9813

■ 1.5333, 1.4361,
3.2919

■ 59.6413, 60.6611,
83.4044

■ 0.3483, 0.2431,
1.2456

■ 79.5330, 81.1451,
109.2698

■ 0.0000, 0.0000,
0.0165

103.4184,
105.7881, 139.9960

■ 0.0000, 0.0000,
0.0000

131.6629,

134.9745, 176.0015

164.6318,
169.0887, 217.7050

■ 12.7044, 12.6273,
20.1801

■ 12.7044, 12.6273,
20.1801

■ 10.5386, 10.0554,
19.7980

■ 15.2185, 15.5995,
20.6215

■ 8.7045, 7.8651,
19.4719

■ 18.0942, 18.9865,
21.1237

■ 7.1862, 6.0388,
19.1994

■ 21.3452, 22.8038,
21.6891

■ 5.9657, 4.5566,
18.9777

■ 24.9845, 27.0659,
22.3200

■ 5.0233, 3.3970,
18.8035

■ 29.0243, 31.7864,
23.0182

■ 4.3371, 2.5357,
18.6734

■ 33.4764, 36.9785,
23.7858

■ 3.8815, 1.9453,
18.5835

■ 38.3519, 42.6548,
24.6244

■ 3.6148, 1.6090,
18.5326

■ 43.6617, 48.8273,
25.5360

■ 49.4161, 55.5078,
26.5222

Harmonies

Analogous

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



11.6203, 12.6273, 20.4825



12.7044, 12.6273, 20.1801



13.6517, 12.6273, 18.0140

Triad

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



12.7044, 12.6273, 20.1801



13.4110, 12.6273, 9.7033



10.0694, 12.6273, 12.6737

Complementary

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



12.7044, 12.6273, 20.1801



16.8540, 18.4151, 13.7328

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.



10.4906, 12.6273, 10.2166



12.7044, 12.6273, 20.1801



12.3917, 12.6273, 8.6812

Square

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



12.7044, 12.6273, 20.1801



14.0763, 12.6273, 11.8680



11.3257, 12.6273, 8.8538



10.1420, 12.6273, 15.8189

Rectangle

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



12.7044, 12.6273, 20.1801



14.0577, 12.6273, 15.9639



11.3257, 12.6273, 8.8538



10.1569, 12.6273, 11.7490

Sweetspot

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



12.7048, 12.6278, 20.1804



29.3062, 30.4293, 36.7217



15.1637, 17.7582, 20.3450



6.6450, 6.8918, 8.3867



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.



12.7048, 12.6278, 20.1804



20.2509, 19.7244, 35.1328



13.7394, 12.8867, 20.1758



3.8201, 3.9386, 5.0021



3.8029, 1.6881, 19.5107



17.8823, 7.5372, 92.9821

Inverse Universe

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



14.4138, 13.3855, 13.3798



23.8806, 21.3603, 20.6838



15.6477, 18.1542, 13.7460



4.0097, 4.0196, 4.2486



8.5028, 4.3773, 0.6729



40.4293, 20.8281, 2.5248

Previews

White Background



This preview shows how the XYZ color 12.7044, 12.6273, 20.1801 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 12.7044, 12.6273, 20.1801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

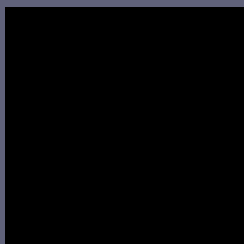
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7044, 12.6273, 20.1801

Background



This preview shows how black text looks on a background with the XYZ color 12.7044, 12.6273, 20.1801.



This preview shows how white text looks on a background with the XYZ color 12.7044, 12.6273,

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

12.7044, 12.6273, 20.1801

Protanopia

12.5908, 12.7085, 20.2017

Deuteranopia

12.8245, 12.5512, 20.1591



Tritanopia

11.7781, 12.5242, 15.9840

Trichromacy



Original Color

12.7044, 12.6273, 20.1801

Protanomaly

12.6940, 12.7617, 20.2066

Deuteranomaly

12.7173, 12.4959, 20.1540

Tritanomaly

12.0586, 12.4956, 17.3991

Monochromacy



Original Color

12.7044, 12.6273, 20.1801

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.3142, 12.6590, 15.9818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7044, 12.6273, 20.1801 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(96, 98, 122) looks like.

```
.text, #text, p{  
    color:rgb(96, 98, 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(96, 98, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 98, 122) }
```

Border

The CSS property to change the border of an element to XYZ 12.7044, 12.6273, 20.1801 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(96, 98, 122) }
```


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

```
.border{ border-color:rgb(96, 98, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 98, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 98, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 98, 122);  
box-shadow:4px 4px 4px 4px rgb(96, 98,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7044, 12.6273, 20.1801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 98, 122) }
```

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

```
.background{ background-color: rgb(96, 98,  
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](#).

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