

Converting Colors

XYZ(20.2312, 24.1190, 24.0112)

Have a look what the booklet for
XYZ(20.2312, 24.1190, 24.0112)
contains.

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Color

**XYZ(20.2312, 24.1190,
24.0112)**

Conversions

Conversions Part 1

Format	Color
Hex	718D80
RGB	113, 141, 128
RGB Percent	44%, 55%, 50%
CMY	0.5569, 0.4470, 0.4980
CMYK	0.20, 0.00, 0.09, 0.45
HSL	152°, 11%, 50%
HSV	152°, 20%, 55%
XYZ	20.2312, 24.1190, 24.0112
YIQ	131.1460, -12.5150, -9.9790

Conversions

Conversions Part 2

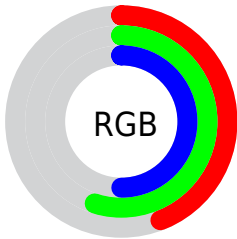
Format	Color
R_{YB}	113, 131, 141
Decimal	7441792
CIE _{Lab}	56.21, -12.70, 3.66
CIE _{LCh}	56, 13.217, 163.912
Yxy	24.1190, 0.2959, 0.3528
Android (android.graphics.Color)	4285631872 (0xFF718D80)
YUV	131.1460, -1.5510, -15.9140
Hunter-Lab	49.1111, -12.4118, 5.3899

Details

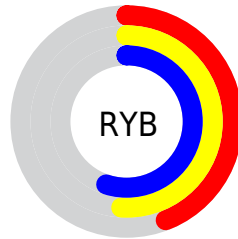
The XYZ color **20.2312, 24.1190, 24.0112** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.6564, 18.9799, 22.3145**, and the grayscale version is **21.6347, 22.7614, 24.7871**.

A 20% lighter version of the original color is **43.3726, 50.3657, 51.1516**, and **7.2667, 9.1367, 8.7777** is the 20% darker color. If you saturate the color by 10%, you get **18.1392, 23.0894, 21.7361**, and if you desaturate by 10%, it is **22.6343, 25.3071, 26.4470**.

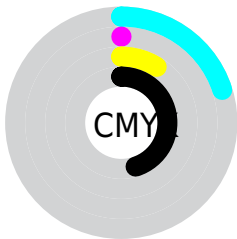
Distribution



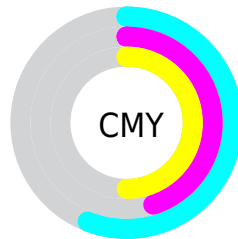
- Red (44%)
- Green (55%)
- Blue (50%)



- Red (44%)
- Yellow (51%)
- Blue (55%)



- Cyan (20%)
- Magenta (0%)
- Yellow (9%)
- Black (45%)



- Cyan (56%)
- Magenta (45%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2312, 24.1190, 24.0112 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 20.2312, 24.1190, 24.0112 by changing the saturation by 10% instead.

■ 20.2312, 24.1190,
24.0112

■ 20.2312, 24.1190,
24.0112

245.9738,
273.4216, 286.1655

■ 12.6725, 15.4219,
15.1297

■ 43.3055, 50.2243,
50.9925

■ 7.2788, 9.1160,
8.7628

■ 59.5517, 68.4014,
69.9294

■ 3.6850, 4.8169,
4.4921

■ 79.4244, 90.5072,
93.0551

■ 1.5255, 2.1403,
1.8990

■ 103.2891,
116.9261, 120.7882

■ 0.3431, 0.6871,
0.4921

131.5110,
148.0426, 153.5473

■ 0.0000, 0.0000,
0.0000

164.4555,

184.2411, 191.7508

202.4880,
225.9060, 235.8174

■ 20.2312, 24.1190,
24.0112

■ 20.2312, 24.1190,
24.0112

■ 18.1392, 23.0894,
21.7361

■ 22.6343, 25.3071,
26.4470

■ 16.3427, 22.2083,
19.6168

■ 25.3590, 26.6570,
29.0453

■ 14.8279, 21.4694,
17.6504

■ 28.4180, 28.1760,
31.8095

■ 13.5789, 20.8644,
15.8332

■ 31.8225, 29.8697,
34.7429

■ 12.5784, 20.3846,
14.1615

■ 35.5834, 31.7436,
37.8483

■ 11.8066, 20.0198,
12.6312

■ 39.7108, 33.8031,
41.1286

■ 11.2406, 19.7583,
11.2381

■ 44.2147, 36.0531,
44.5866

■ 10.8193, 19.5686,
9.9760

■ 49.1046, 38.4984,
48.2250

■ 10.8136, 19.5660,
9.9592

■ 54.3895, 41.1438,
52.0466

Harmonies

Analogous

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



20.9579, 24.1190, 20.6850



20.2312, 24.1190, 24.0112



20.2048, 24.1190, 28.3242

Triad

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



20.2312, 24.1190, 24.0112



23.6338, 24.1190, 35.2456



25.0934, 24.1190, 20.8772

Complementary

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



20.2312, 24.1190, 24.0112



20.6564, 18.9799, 22.3145

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.



25.8777, 24.1190, 24.3014



20.2312, 24.1190, 24.0112



25.0101, 24.1190, 32.7596

Square

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



20.2312, 24.1190, 24.0112



22.1246, 24.1190, 35.1457



25.8466, 24.1190, 28.6482



23.7433, 24.1190, 19.0169

Rectangle

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



20.2312, 24.1190, 24.0112



20.5851, 24.1190, 31.2098



25.8466, 24.1190, 28.6482



25.4345, 24.1190, 21.8660

Sweetspot

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



20.2319, 24.1200, 24.0117



42.2839, 46.1858, 49.0614



21.1203, 24.6838, 19.2744



9.3857, 10.2867, 10.9016



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.2319, 24.1200, 24.0117



34.4181, 42.2996, 41.0668



21.0064, 24.2105, 28.7665



5.4560, 6.0746, 6.3674



9.8676, 17.8429, 9.1229



0.1055, 0.1750, 0.1459

Inverse Universe

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



20.6564, 18.9799, 22.3145



35.3267, 31.2998, 37.4354



19.9756, 18.8751, 18.2135



5.5065, 5.4631, 6.1654



10.9062, 5.5195, 5.1571



0.1152, 0.0571, 0.1070

Previews

White Background



This preview shows how the XYZ color 20.2312, 24.1190, 24.0112 looks on a white background.

Color Contrast Check

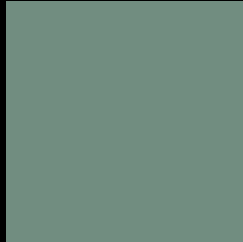
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2312, 24.1190, 24.0112 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

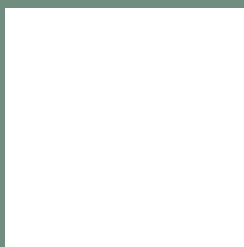
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2312, 24.1190, 24.0112

Background



This preview shows how black text looks on a background with the XYZ color 20.2312, 24.1190, 24.0112.



This preview shows how white text looks on a background with the XYZ color 20.2312, 24.1190,

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

20.2312, 24.1190, 24.0112

Protanopia

22.8106, 23.9944, 22.4979

Deuteranopia

24.4063, 23.9665, 24.4587



Tritanopia

21.8494, 24.1288, 31.9395

Trichromacy



Original Color

20.2312, 24.1190, 24.0112

Protanomaly

21.8533, 24.1178, 22.9055

Deuteranomaly

22.6409, 23.8694, 24.1828

Tritanomaly

21.2428, 24.1013, 28.7317

Monochromacy



Original Color

20.2312, 24.1190, 24.0112

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.0054, 23.2247, 24.4948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2312, 24.1190, 24.0112 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(113, 141, 128)` looks like.

```
.text, #text, p{  
    color:rgb(113, 141, 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(113, 141, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 141, 128) }
```

Border

The CSS property to change the border of an element to XYZ 20.2312, 24.1190, 24.0112 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(113, 141, 128) }
```


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

```
.border{ border-color:rgb(113, 141, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 141, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 141, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 141, 128);  
box-shadow:4px 4px 4px 4px rgb(113, 141,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2312, 24.1190, 24.0112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 141, 128) }
```

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

```
.background{ background-color: rgb(113,  
141, 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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