

Converting Colors

XYZ(24.2259, 33.8170, 21.0605)

Have a look what the booklet for
XYZ(24.2259, 33.8170, 21.0605)
contains.

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Color

**XYZ(24.1557, 33.7202,
21.1551)**

Conversions

Conversions Part 1

Format	Color
Hex	6FAB72
RGB	111, 171, 114
RGB Percent	44%, 67%, 45%
CMY	0.5647, 0.3294, 0.5529
CMYK	0.35, 0.00, 0.33, 0.33
HSL	123°, 26%, 55%
HSV	123°, 35%, 67%
XYZ	24.1557, 33.7202, 21.1551
YIQ	146.5620, -17.4630, -30.4470

Conversions

Conversions Part 2

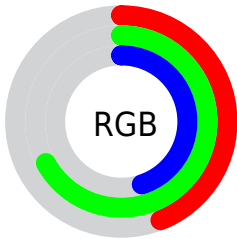
Format	Color
RYB	111, 168, 171
Decimal	7318386
CIELab	64.74, -31.31, 23.37
CIELCh	65, 39.066, 143.259
Yxy	33.7202, 0.3056, 0.4267
Android (android.graphics.Color)	4285508466 (0xFF6FAB72)
YUV	146.5620, -16.0531, -31.1879
Hunter-Lab	58.0691, -27.3681, 19.0485

Details

The XYZ color **24.1557, 33.7202, 21.1551** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **29.5480, 22.8546, 39.9010**, and the grayscale version is **27.6223, 29.0609, 31.6473**.

A 20% lighter version of the original color is **49.8691, 65.6907, 46.1276**, and **9.2960, 14.2992, 7.2711** is the 20% darker color. If you saturate the color by 10%, you get **21.3626, 32.3788, 16.6189**, and if you desaturate by 10%, it is **27.5267, 35.3425, 26.5770**.

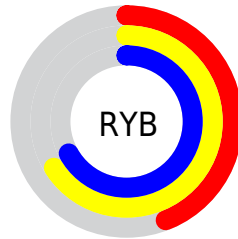
Distribution



Red (44%)

Green (67%)

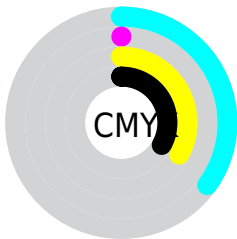
Blue (45%)



Red (44%)

Yellow (66%)

Blue (67%)

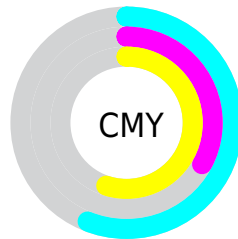


Cyan (35%)

Magenta (0%)

Yellow (33%)

Black (33%)



Cyan (56%)

Magenta (33%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1557, 33.7202, 21.1551 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 24.1557, 33.7202, 21.1551 by changing the saturation by 10% instead.

■ 24.1557, 33.7202,
21.1551

■ 24.1557, 33.7202,
21.1551

266.0326,
318.8826, 270.9097

■ 15.5745, 22.6787,
13.0451

■ 49.7370, 65.4983,
46.2297

■ 9.3125, 14.3565,
7.3285

■ 67.4678, 87.0038,
64.0313

■ 5.0043, 8.3690,
3.5868

■ 88.9792, 112.7660,
85.9005

■ 2.2846, 4.3320,
1.4015

■ 114.6366,
143.1694, 112.2559

■ 0.7868, 1.8609,
0.1429

144.8052,
178.5984, 143.5159

■ 0.0000, 0.5247,
0.0000

179.8506,

■ 0.0000, 0.0000,

219.4373, 180.0992

0.0000

220.1379,
266.0706, 222.4243

■ 24.1557, 33.7202,
21.1551

■ 24.1557, 33.7202,
21.1551

■ 21.3626, 32.3788,
16.6189

■ 27.5267, 35.3425,
26.5770

■ 19.1125, 31.2984,
12.9194

■ 31.5028, 37.2558,
32.9259

■ 17.3708, 30.4632,
10.0060


■ 36.1126, 39.4751,
40.2431


■ 16.0979, 29.8540,
7.8220


■ 41.3819, 42.0128,
48.5666


■ 15.2483, 29.4487,
6.3030


■ 47.3355, 44.8808,
57.9326


 14.7662, 29.2203,
5.3731

 53.9965, 48.0905,
68.3754

 14.6104, 29.1459,
5.1013

 61.3872, 51.6525,
79.9278

 69.5288, 55.5771,
92.6210

 73.8536, 57.6071,
101.8345

Harmonies

Analogous

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



27.9741, 33.7202, 15.0095



24.1557, 33.7202, 21.1551



22.4820, 33.7202, 33.2052

Triad

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



24.1557, 33.7202, 21.1551



30.7997, 33.7202, 76.7624



43.0238, 33.7202, 25.8121

Complementary

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



24.1557, 33.7202, 21.1551



29.5480, 22.8546, 39.9010

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.



44.0078, 33.7202, 40.4650



24.1557, 33.7202, 21.1551



36.5038, 33.7202, 73.0654

Square

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



24.1557, 33.7202, 21.1551



26.0174, 33.7202, 67.4737



41.5004, 33.7202, 58.4844



38.9498, 33.7202, 17.0983

Rectangle

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



24.1557, 33.7202, 21.1551



22.6506, 33.7202, 44.2709



41.5004, 33.7202, 58.4844



43.7451, 33.7202, 30.0728

Sweetspot

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



24.1566, 33.7216, 21.1558



59.4947, 68.2017, 63.8589



33.5820, 38.6000, 20.7198



13.0326, 15.0961, 13.8674



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.1566, 33.7216, 21.1558



39.3418, 58.5071, 31.5306



26.1534, 34.5204, 31.6711



7.9201, 8.9456, 8.6044



11.0195, 21.9731, 3.8765



0.3117, 0.6133, 0.1349

Inverse Universe

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



29.5480, 22.8546, 39.9010



50.4346, 36.1401, 70.0928



27.0675, 21.8624, 26.8388



8.3195, 8.1411, 9.9934



17.6129, 8.5077, 26.6709



0.4951, 0.2387, 0.7691

Previews

White Background



This preview shows how the XYZ color 24.1557, 33.7202, 21.1551 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 24.1557, 33.7202, 21.1551 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 ✓ Pass

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

XYZ 24.1557, 33.7202, 21.1551

Background



This preview shows how black text looks on a background with the XYZ color 24.1557, 33.7202, 21.1551.



This preview shows how white text looks on a background with the XYZ color 24.1557, 33.7202,

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

24.1557, 33.7202, 21.1551

Protanopia

30.9574, 33.2947, 18.9822

Deuteranopia

34.0033, 33.3349, 22.0949



Tritanopia

29.1020, 33.5399, 46.0143

Trichromacy



Original Color

24.1557, 33.7202, 21.1551

Protanomaly

27.7721, 32.9114, 19.6406

Deuteranomaly

29.3424, 32.9062, 21.6346

Tritanomaly

26.9937, 33.4943, 35.1793

Monochromacy



Original Color

24.1557, 33.7202, 21.1551

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

26.0932, 30.5945, 27.4518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1557, 33.7202, 21.1551 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(111, 171, 114)` looks like.

```
.text, #text, p{  
    color:rgb(111, 171, 114)  
}
```

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(111, 171, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 171, 114) }
```

Border

The CSS property to change the border of an element to XYZ 24.1557, 33.7202, 21.1551 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(111, 171, 114) }
```


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

```
.border{ border-color:rgb(111, 171, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 171, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 171, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 171, 114);  
box-shadow:4px 4px 4px 4px rgb(111, 171,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1557, 33.7202, 21.1551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 171, 114) }
```

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

```
.background{ background-color: rgb(111,  
171, 114) }
```

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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