

Converting Colors

XYZ(15.8689, 22.2174, 11.8706)

Have a look what the booklet for
XYZ(15.8689, 22.2174, 11.8706)
contains.

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Color

**XYZ(15.8444, 22.1227,
11.8225)**

Conversions

Conversions Part 1

Format	Color
Hex	5F8D54
RGB	95, 141, 84
RGB Percent	37%, 55%, 33%
CMY	0.6274, 0.4470, 0.6706
CMYK	0.33, 0.00, 0.40, 0.45
HSL	108°, 25%, 44%
HSV	108°, 40%, 55%
XYZ	15.8444, 22.1227, 11.8225
YIQ	120.7480, -9.1190, -27.4790

Conversions

Conversions Part 2

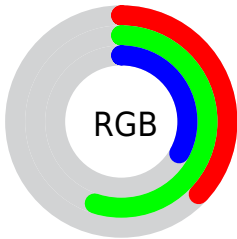
Format	Color
RYB	84, 141, 130
Decimal	6262100
CIELab	54.16, -27.22, 25.55
CIELCh	54, 37.331, 136.818
Yxy	22.1227, 0.3182, 0.4443
Android (android.graphics.Color)	4284452180 (0xFF5F8D54)
YUV	120.7480, -18.1168, -22.5810
Hunter-Lab	47.0348, -22.1803, 18.0214

Details

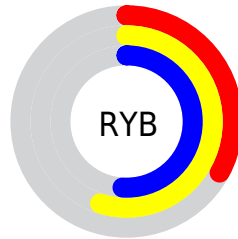
The XYZ color **15.8444, 22.1227, 11.8225** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.1849, 13.0102, 26.8059**, and the grayscale version is **18.1518, 19.0971, 20.7967**.

A 20% lighter version of the original color is **35.8508, 46.9545, 29.7278**, and **5.0723, 8.0038, 3.0278** is the 20% darker color. If you saturate the color by 10%, you get **14.2500, 21.3589, 9.1496**, and if you desaturate by 10%, it is **17.7238, 23.0219, 15.0900**.

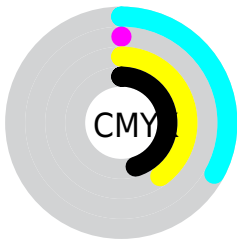
Distribution



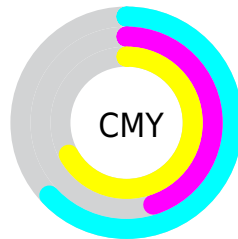
- Red (37%)
- Green (55%)
- Blue (33%)



- Red (33%)
- Yellow (55%)
- Blue (51%)



- Cyan (33%)
- Magenta (0%)
- Yellow (40%)
- Black (45%)



- Cyan (63%)
- Magenta (45%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8444, 22.1227, 11.8225 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 15.8444, 22.1227, 11.8225 by changing the saturation by 10% instead.

■ 15.8444, 22.1227,
11.8225

■ 15.8444, 22.1227,
11.8225

221.7103,
263.1864, 214.1627

■ 9.5043, 13.9471,
6.5019

■ 35.8875, 46.9487,
29.8310

■ 5.1313, 8.0839,
3.0789

■ 50.3212, 64.3679,
43.3559

■ 2.3600, 4.1487,
1.1351

■ 68.1834, 85.6371,
60.4526

■ 0.8251, 1.7571,
0.0000

■ 89.8395, 111.1406,
81.5397

■ 0.0000, 0.4602,
0.0000

■ 115.6549,
141.2629, 107.0357

■ 0.0000, 0.0000,
0.0000

145.9950,

176.3884, 137.3592

181.2250,
216.9014, 172.9287

■ 15.8444, 22.1227,
11.8225

■ 15.8444, 22.1227,
11.8225

■ 14.2500, 21.3589,
9.1496

■ 17.7238, 23.0219,
15.0900

■ 12.9248, 20.7212,
7.0343

■ 19.8998, 24.0597,
18.9834

■ 11.8539, 20.2034,
5.4374

■ 22.3851, 25.2428,
23.5336

■ 11.0202, 19.7976,
4.3142

■ 25.1915, 26.5766,
28.7690

■ 10.4043, 19.4950,
3.6124

■ 28.3298, 28.0661,
34.7161

■ 9.9828, 19.2865,
3.1965

■ 31.8107, 29.7162,
41.4003

■ 35.6440, 31.5315,
48.8457

■ 39.8395, 33.5165,
57.0751

■ 44.4062, 35.6755,
66.1106

Harmonies

Analogous

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



18.8533, 22.1227, 8.4253



15.8444, 22.1227, 11.8225



14.3197, 22.1227, 19.3517

Triad

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



15.8444, 22.1227, 11.8225



19.3007, 22.1227, 52.9809



29.3967, 22.1227, 18.1940

Complementary

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



15.8444, 22.1227, 11.8225



17.1849, 13.0102, 26.8059

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.



29.5569, 22.1227, 29.5399



15.8444, 22.1227, 11.8225



23.3616, 22.1227, 52.3638

Square

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



15.8444, 22.1227, 11.8225



16.1355, 22.1227, 44.2846



27.2318, 22.1227, 42.7995



26.8187, 22.1227, 11.2106

Rectangle

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



15.8444, 22.1227, 11.8225



14.2038, 22.1227, 26.8338



27.2318, 22.1227, 42.7995



29.7456, 22.1227, 21.5359

Sweetspot

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



15.8450, 22.1236, 11.8230



39.2288, 44.7958, 40.5603



20.5152, 22.1628, 11.5844



8.6494, 9.9517, 8.8522



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.



15.8450, 22.1236, 11.8230



25.6166, 38.2959, 16.5459



15.5356, 21.8771, 15.7420



5.4340, 6.0764, 5.7758



9.1129, 17.5905, 2.9150



0.1015, 0.1756, 0.0285

Inverse Universe

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



17.1849, 13.0102, 26.8059



28.3566, 19.5178, 47.4006



17.7874, 13.4566, 20.6964



5.5257, 5.4592, 6.7913



10.6992, 5.0092, 23.3801



0.1192, 0.0566, 0.2243

Previews

White Background



This preview shows how the XYZ color 15.8444, 22.1227, 11.8225 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 15.8444, 22.1227, 11.8225 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 15.8444, 22.1227, 11.8225

Background



This preview shows how black text looks on a background with the XYZ color 15.8444, 22.1227, 11.8225.



This preview shows how white text looks on a background with the XYZ color 15.8444, 22.1227,

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

15.8444, 22.1227, 11.8225

Protanopia

20.2460, 21.9277, 10.5625

Deuteranopia

22.1708, 21.7405, 12.2603



Tritanopia

19.5798, 22.1587, 30.0332

Trichromacy



Original Color

15.8444, 22.1227, 11.8225

Protanomaly

18.1849, 21.6542, 11.0058

Deuteranomaly

19.3758, 21.6399, 12.1725

Tritanomaly

18.0003, 22.1462, 22.0648

Monochromacy



Original Color

15.8444, 22.1227, 11.8225

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.1080, 19.9658, 17.1395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8444, 22.1227, 11.8225 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(95, 141, 84)` looks like.

```
.text, #text, p{  
    color:rgb(95, 141, 84)  
}
```

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(95, 141, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 141, 84) }
```

Border

The CSS property to change the border of an element to XYZ 15.8444, 22.1227, 11.8225 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(95, 141, 84) }
```


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

```
.border{ border-color:rgb(95, 141, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 141, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 141, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 141, 84);  
box-shadow:4px 4px 4px 4px rgb(95, 141,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8444, 22.1227, 11.8225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 141, 84) }
```

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

```
.background{ background-color: rgb(95, 141,  
84) }
```

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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