

Converting Colors

XYZ(82.5999, 85.9784, 20.3760)

Have a look what the booklet for
XYZ(82.5999, 85.9784, 20.3760)
contains.

XYZ(72.2242, 80.7302, 19.9595)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.2242, 80.7302,
19.9595)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEA53
RGB	255, 234, 83
RGB Percent	100%, 92%, 33%
CMY	0.0000, 0.0823, 0.6745
CMYK	0.00, 0.08, 0.67, 0.00
HSL	53°, 100%, 66%
HSV	53°, 67%, 100%
XYZ	72.2242, 80.7302, 19.9595
YIQ	223.0650, 60.9870, -42.5090

Conversions

Conversions Part 2

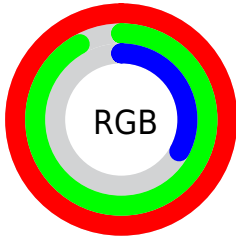
Format	Color
RYB	107, 255, 83
Decimal	16771667
CIELab	92.01, -9.30, 72.61
CIELCh	92, 73.207, 97.299
Yxy	80.7302, 0.4177, 0.4669
Android (android.graphics.Color)	4294961747 (0xFFFFEA53)
YUV	223.0650, -69.0520, 28.0070
Hunter-Lab	89.8500, -13.7537, 49.7242

Details

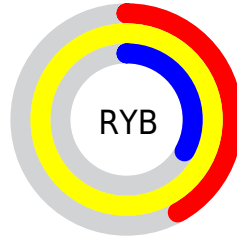
The XYZ color **72.2242, 80.7302, 19.9595** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **26.5677, 18.9593, 96.8665**, and the grayscale version is **70.6325, 74.3109, 80.9246**.

A 20% lighter version of the original color is **81.7336, 94.6734, 38.7769**, and **38.6921, 43.8688, 6.7761** is the 20% darker color. If you saturate the color by 10%, you get **70.5373, 78.6531, 15.4011**, and if you desaturate by 10%, it is **74.2922, 82.9908, 26.4319**.

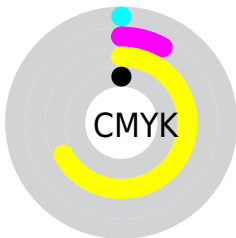
Distribution



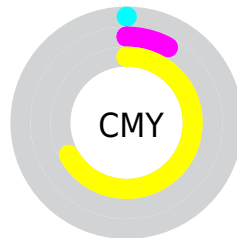
- Red (100%)
- Green (92%)
- Blue (33%)



- Red (42%)
- Yellow (100%)
- Blue (33%)



- Cyan (0%)
- Magenta (8%)
- Yellow (67%)
- Black (0%)



- Cyan (0%)
- Magenta (8%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2242, 80.7302, 19.9595 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 72.2242, 80.7302, 19.9595 by changing the saturation by 10% instead.

72.2242, 80.7302,
19.9595

72.2242, 80.7302,
19.9595

457.4671,
497.3903, 264.2928

53.6280, 60.3194,
12.1818

121.3843,
134.3919, 44.2074

38.5338, 43.6761,
6.7436

152.6789,
168.4115, 61.5146

26.5763, 30.4160,
3.2263

188.9370,
207.7363, 82.8355

17.3902, 20.1545,
1.2113

230.5239,
252.7506, 108.5885

10.6101, 12.5074,
0.0000

277.8050,
303.8387, 139.1922

5.8707, 7.0903,
0.0000

331.1457,

2.8065, 3.5186,

361.3851, 175.0651

0.0000

390.9113,
425.7741, 216.6258

■ 1.0523, 1.4081,
0.0000

■ 0.0000, 0.2227,
0.0000

■ 72.2242, 80.7302,
19.9595

■ 72.2242, 80.7302,
19.9595

■ 70.5373, 78.6531,
15.4011

■ 74.2922, 82.9908,
26.4319

■ 69.1841, 76.7312,
12.5311

■ 76.7715, 85.4379,
35.0009

■ 68.1114, 74.9462,
11.0630

■ 79.6953, 88.0879,
45.8333

■ 67.8620, 74.5044,
10.8041

■ 83.0920, 90.9523,
59.0777

86.9874, 94.0417,
74.8701

91.4054, 97.3656,
93.3363

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



91.5656, 80.7302, 22.7572



72.2242, 80.7302, 19.9595



56.8210, 80.7302, 28.5373

Triad

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



72.2242, 80.7302, 19.9595



51.3893, 80.7302, 166.8719



115.2024, 80.7302, 134.2841

Complementary

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



72.2242, 80.7302, 19.9595



26.5677, 18.9593, 96.8665

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.



100.8223, 80.7302, 198.8402



72.2242, 80.7302, 19.9595



63.5931, 80.7302, 222.4098

Square

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



72.2242, 80.7302, 19.9595



46.1370, 80.7302, 101.7405



81.4228, 80.7302, 236.0307



118.5259, 80.7302, 75.3780

Rectangle

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



72.2242, 80.7302, 19.9595



50.1248, 80.7302, 42.9485



81.4228, 80.7302, 236.0307



111.3994, 80.7302, 156.6431

Sweetspot

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



72.2261, 80.7340, 19.9611



85.9453, 93.2321, 70.5925



46.9317, 28.4865, 16.6435



18.1583, 19.7682, 14.1434



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



72.2261, 80.7340, 19.9611



70.0212, 77.9538, 14.2013



59.0431, 83.3422, 21.1594



19.3609, 20.6899, 19.1175



35.5343, 39.0798, 5.6703



3.5108, 3.9070, 0.5691

Inverse Universe

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



26.5677, 18.9593, 96.8665



21.7164, 12.7117, 95.9168



33.0100, 19.5246, 96.6361



17.1816, 17.7348, 22.7675



9.7448, 4.3991, 49.7701



1.0028, 0.5362, 4.8639

Previews

White Background



This preview shows how the XYZ color 72.2242, 80.7302, 19.9595 looks on a white background.

Color Contrast Check

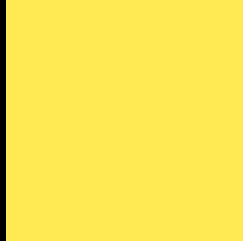
Large Text (above 18pt) WCAG AA × Fail

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 72.2242, 80.7302, 19.9595 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 72.2242, 80.7302, 19.9595

Background



This preview shows how black text looks on a background with the XYZ color 72.2242, 80.7302, 19.9595.



This preview shows how white text looks on a background with the XYZ color 72.2242, 80.7302,

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

72.2242, 80.7302, 19.9595

Protanopia

73.7347, 80.4285, 30.7068

Deuteranopia

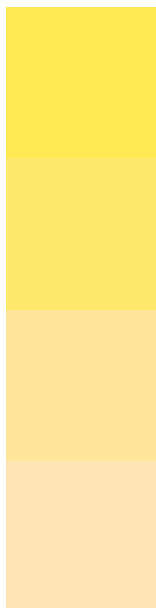
78.7210, 80.6418, 62.4553



Tritanopia

82.8911, 80.5695, 89.7799

Trichromacy



Original Color

72.2242, 80.7302, 19.9595

Protanomaly

73.1392, 80.6420, 26.1786

Deuteranomaly

75.3695, 80.1867, 42.0770

Tritanomaly

77.2216, 80.0421, 54.5597

Monochromacy



Original Color

72.2242, 80.7302, 19.9595

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.1764, 75.5789, 49.9719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2242, 80.7302, 19.9595 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(255, 234, 83)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 83)  
}
```

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(255, 234, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 83) }
```

Border

The CSS property to change the border of an element to XYZ 72.2242, 80.7302, 19.9595 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(255, 234, 83) }
```


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

```
.border{ border-color:rgb(255, 234, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2242, 80.7302, 19.9595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 83) }
```

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

```
.background{ background-color: rgb(255,  
234, 83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor