

Converting Colors

XYZ(71.2284, 78.5639, 53.2244)

Have a look what the booklet for
XYZ(71.2284, 78.5639, 53.2244)
contains.

XYZ(71.3845, 78.7204, 53.0272)	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(71.3845, 78.7204,
53.0272)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE8B1
RGB	236, 232, 177
RGB Percent	93%, 91%, 69%
CMY	0.0745, 0.0902, 0.3059
CMYK	0.00, 0.02, 0.25, 0.07
HSL	56°, 61%, 81%
HSV	56°, 25%, 93%
XYZ	71.3845, 78.7204, 53.0272
YIQ	226.9260, 20.0390, -16.2570

Conversions

Conversions Part 2

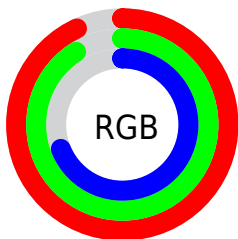
Format	Color
RYB	181, 236, 177
Decimal	15526065
CIELab	91.11, -7.18, 27.31
CIELCh	91, 28.243, 104.728
Yxy	78.7204, 0.3514, 0.3875
Android (android.graphics.Color)	4293716145 (0xFFECE8B1)
YUV	226.9260, -24.6135, 7.9579
Hunter-Lab	88.7245, -11.6533, 26.6718

Details

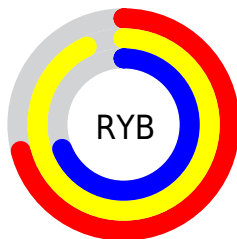
The XYZ color **71.3845, 78.7204, 53.0272** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **49.7955, 48.4499, 86.0845**, and the grayscale version is **73.1247, 76.9329, 83.7799**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **37.9858, 42.2092, 25.2139** is the 20% darker color. If you saturate the color by 10%, you get **68.7858, 76.9672, 41.5422**, and if you desaturate by 10%, it is **74.3982, 80.6516, 66.6594**.

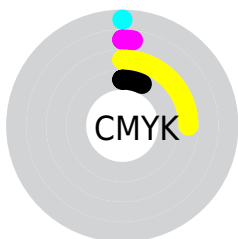
Distribution



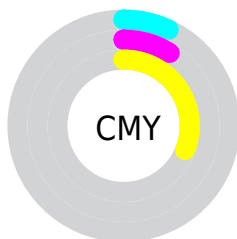
- Red (93%)
- Green (91%)
- Blue (69%)



- Red (71%)
- Yellow (93%)
- Blue (69%)



- Cyan (0%)
- Magenta (2%)
- Yellow (25%)
- Black (7%)



- Cyan (7%)
- Magenta (9%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3845, 78.7204, 53.0272 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 71.3845, 78.7204, 53.0272 by changing the saturation by 10% instead.

71.3845, 78.7204,
53.0272

71.3845, 78.7204,
53.0272

454.5874,
490.6100, 415.4587

52.9397, 58.6660,
37.4366

120.1966,
131.5652, 96.0863

37.9819, 42.3443,
25.2473

151.2946,
165.1243, 124.3920

26.1458, 29.3710,
16.0407

187.3410,
203.9537, 157.7730

17.0660, 19.3616,
9.3983

228.7013,
248.4379, 196.6481

10.3772, 11.9319,
4.9015

275.7407,
298.9612, 241.4356

5.7139, 6.6973,
2.1319

328.8246,

2.7109, 3.2735,

355.9081, 292.5542

0.6346

388.3184,
419.6629, 350.4224

■ 1.0028, 1.2761,
0.0000

■ 0.0000, 0.1226,
0.0000

■ 71.3845, 78.7204,
53.0272

■ 71.3845, 78.7204,
53.0272

■ 68.7858, 76.9672,
41.5422

■ 74.3982, 80.6516,
66.6594

■ 66.5750, 75.3730,
32.0891

■ 77.8403, 82.7579,
82.5362

■ 64.7315, 73.9322,
24.5494

■ 81.7310, 85.0503,
100.7549

■ 63.2299, 72.6347,
18.7906

■ 83.3326, 86.4336,
106.8990

■ 62.0418, 71.4690,
14.6629

■ 83.8009, 87.3703,
107.0551

■ 61.1343, 70.4221,
11.9923

■ 84.2733, 88.3152,
107.2126

■ 60.4666, 69.4775,
10.5651

■ 84.7500, 89.2684,
107.3715

■ 60.1912, 69.0309,
10.1519

■ 85.2307, 90.2300,
107.5317

■ 85.7157, 91.1999,
107.6934

Harmonies

Analogous

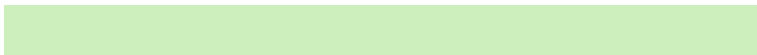
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4970, 78.7204, 53.0975



71.3845, 78.7204, 53.0272



65.5680, 78.7204, 60.6991

Triad

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



71.3845, 78.7204, 53.0272



65.4834, 78.7204, 116.4740



88.8652, 78.7204, 96.4950

Complementary

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



71.3845, 78.7204, 53.0272



49.7955, 48.4499, 86.0845

Split Complementary

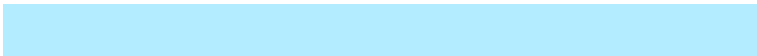
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9068, 78.7204, 116.7988



71.3845, 78.7204, 53.0272



71.2623, 78.7204, 129.5231

Square

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



71.3845, 78.7204, 53.0272



62.3111, 78.7204, 96.1045



78.3668, 78.7204, 129.6506



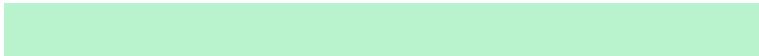
88.9031, 78.7204, 76.0992

Rectangle

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



71.3845, 78.7204, 53.0272



63.0783, 78.7204, 69.9961



78.3668, 78.7204, 129.6506



87.9383, 78.7204, 103.6226

Sweetspot

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



71.3865, 78.7239, 53.0289



91.9237, 98.1345, 94.3327



58.7499, 52.6521, 51.2783



19.6204, 20.9715, 19.9360



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.



71.3865, 78.7239, 53.0289



83.4561, 92.7542, 55.8879



64.9154, 77.0762, 53.0519



16.2596, 17.4421, 16.0284



33.2171, 38.1284, 5.6088



2.6347, 3.0466, 0.4492

Inverse Universe

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



49.7955, 48.4499, 86.0845



53.5990, 50.8922, 101.6059



55.1079, 50.0000, 86.1037



14.3131, 14.7126, 19.0077



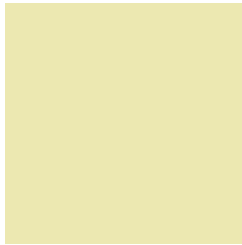
8.4802, 3.6075, 43.9923



0.6947, 0.3408, 3.4640

Previews

White Background



This preview shows how the XYZ color 71.3845, 78.7204, 53.0272 looks on a white background.

Color Contrast Check

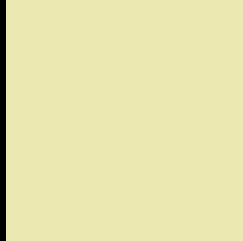
Large Text (above 18pt) WCAG AA × Fail

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 71.3845, 78.7204, 53.0272 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 71.3845, 78.7204, 53.0272

Background



This preview shows how black text looks on a background with the XYZ color 71.3845, 78.7204, 53.0272.



This preview shows how white text looks on a background with the XYZ color 71.3845, 78.7204,

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

71.3845, 78.7204, 53.0272

Protanopia

73.5120, 78.5857, 52.3684

Deuteranopia

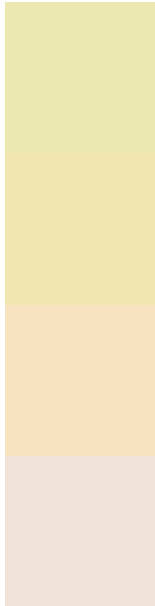
78.3210, 78.7414, 65.7142



Tritanopia

79.5731, 78.3593, 94.1500

Trichromacy



Original Color

71.3845, 78.7204, 53.0272

Protanomaly

72.7512, 78.6055, 52.4123

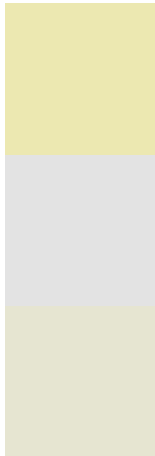
Deuteranomaly

75.6949, 78.7004, 61.0703

Tritanomaly

76.1269, 78.1554, 77.4029

Monochromacy



Original Color

71.3845, 78.7204, 53.0272

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.1611, 77.4651, 71.4706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.3845, 78.7204, 53.0272 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(236, 232, 177)` looks like.

```
.text, #text, p{  
    color:rgb(236, 232, 177)  
}
```

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(236, 232, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 232, 177) }
```

Border

The CSS property to change the border of an element to XYZ 71.3845, 78.7204, 53.0272 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(236, 232, 177) }
```


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

```
.border{ border-color:rgb(236, 232, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 232, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 232, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 232, 177); box-shadow:4px 4px 4px 4px rgb(236, 232, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 71.3845, 78.7204, 53.0272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 232, 177) }
```

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

```
.background{ background-color: rgb(236,  
232, 177) }
```

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