

Converting Colors

XYZ(70.7562, 78.6704, 53.5753)

Have a look what the booklet for
XYZ(70.7562, 78.6704, 53.5753)
contains.

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Color

**XYZ(70.7791, 78.8158,
53.6020)**

Conversions

Conversions Part 1

Format	Color
Hex	E9E9B2
RGB	233, 233, 178
RGB Percent	91%, 91%, 70%
CMY	0.0863, 0.0863, 0.3020
CMYK	0.00, 0.00, 0.24, 0.09
HSL	60°, 56%, 81%
HSV	60°, 24%, 91%
XYZ	70.7791, 78.8158, 53.6020
YIQ	226.7300, 17.6550, -17.1050

Conversions

Conversions Part 2

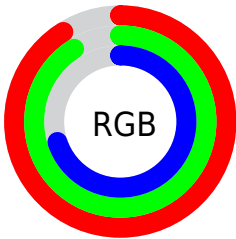
Format	Color
RYB	178, 233, 178
Decimal	15329714
CIELab	91.15, -8.65, 26.82
CIELCh	91, 28.185, 107.883
Yxy	78.8158, 0.3483, 0.3879
Android (android.graphics.Color)	4293519794 (0xFFE9E9B2)
YUV	226.7300, -24.0239, 5.4988
Hunter-Lab	88.7783, -13.0516, 26.3470

Details

The XYZ color **70.7791, 78.8158, 53.6020** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **48.9914, 47.1910, 83.6218**, and the grayscale version is **72.9792, 76.7798, 83.6132**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **37.5553, 42.2721, 25.5820** is the 20% darker color. If you saturate the color by 10%, you get **68.6357, 77.9610, 42.3096**, and if you desaturate by 10%, it is **73.3240, 79.8366, 66.9906**.

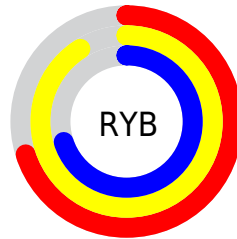
Distribution



Red (91%)

Green (91%)

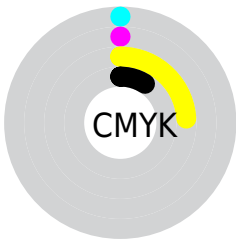
Blue (70%)



Red (70%)

Yellow (91%)

Blue (70%)

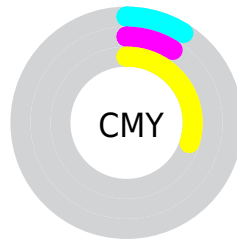


Cyan (0%)

Magenta (0%)

Yellow (24%)

Black (9%)



Cyan (9%)

Magenta (9%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7791, 78.8158, 53.6020 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 70.7791, 78.8158, 53.6020 by changing the saturation by 10% instead.

70.7791, 78.8158,
53.6020

70.7791, 78.8158,
53.6020

452.5047,
490.9330, 417.7221

52.4438, 58.7444,
37.8925

119.3394,
131.6995, 96.9401

37.5847, 42.4074,
25.5981

150.2951,
165.2806, 125.4059

25.8362, 29.4204,
16.3002

186.1883,
204.1337, 158.9608

16.8332, 19.3991,
9.5802

227.3844,
248.6432, 198.0235

10.2102, 11.9590,
5.0195

274.2487,
299.1934, 243.0124

5.6019, 6.7158,
2.1998

327.1467,

2.6429, 3.2850,

356.1689, 294.3461

0.6742

386.4435,
419.9539, 352.4432

■ 0.9679, 1.2823,
0.0000

■ 0.0000, 0.1274,
0.0000

■ 70.7791, 78.8158,
53.6020

■ 70.7791, 78.8158,
53.6020

■ 68.6357, 77.9610,
42.3096

■ 73.3240, 79.8366,
66.9906

■ 66.8676, 77.2537,
33.0026


■ 76.2830, 81.0202,
82.5687

■ 65.4550, 76.6886,
25.5679


■ 79.6756, 82.3773,
100.4298


■ 64.3739, 76.2561,
19.8787


■ 80.7979, 82.8264,
106.3363


 63.5972, 75.9453,
15.7927


 80.7987, 82.8267,
106.3364


 63.0938, 75.7439,
13.1452


 80.7994, 82.8271,
106.3364

 62.8255, 75.6365,
11.7362

 80.8001, 82.8275,
106.3364

 62.7395, 75.6020,
11.2859

 80.8008, 82.8279,
106.3365

 80.8016, 82.8282,
106.3365

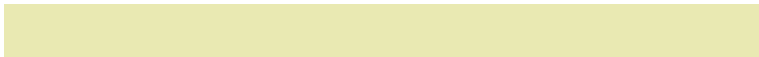
Harmonies

Analogous

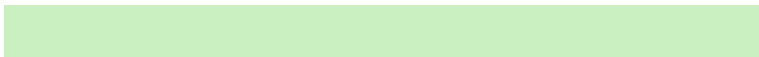
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8278, 78.8158, 52.8582



70.7791, 78.8158, 53.6020



65.1925, 78.8158, 62.0791

Triad

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



70.7791, 78.8158, 53.6020



66.0858, 78.8158, 118.3734



89.1369, 78.8158, 94.3284

Complementary

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



70.7791, 78.8158, 53.6020



48.9914, 47.1910, 83.6218

Split Complementary

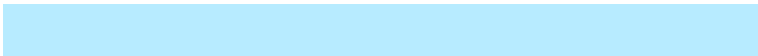
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5526, 78.8158, 114.9451



70.7791, 78.8158, 53.6020



72.0700, 78.8158, 130.2321

Square

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



70.7791, 78.8158, 53.6020



62.6035, 78.8158, 98.4519



79.2028, 78.8158, 128.8863



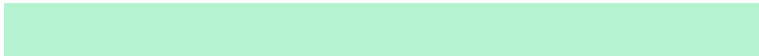
88.7366, 78.8158, 74.3121

Rectangle

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



70.7791, 78.8158, 53.6020



62.9115, 78.8158, 71.8624



79.2028, 78.8158, 128.8863



88.3492, 78.8158, 101.4704

Sweetspot

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



70.7811, 78.8193, 53.6037



92.3074, 98.9029, 94.4608



57.5631, 52.3807, 49.1972



19.7096, 21.1501, 19.9658



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.



70.7811, 78.8193, 53.6037



85.6073, 96.2226, 59.1887



62.4928, 74.5465, 53.2158



16.3519, 17.6269, 16.0592



35.5978, 42.8958, 6.4035



2.7953, 3.3684, 0.5028

Inverse Universe

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



48.9914, 47.1910, 83.6218



54.7806, 51.4769, 101.6565



55.9457, 50.7761, 83.9473



14.2314, 14.5490, 18.9804



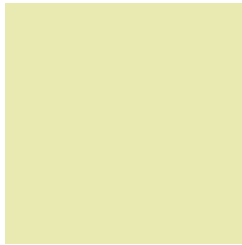
8.3458, 3.3384, 43.9475



0.6554, 0.2622, 3.4509

Previews

White Background



This preview shows how the XYZ color 70.7791, 78.8158, 53.6020 looks on a white background.

Color Contrast Check

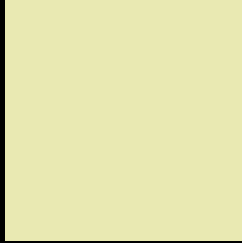
Large Text (above 18pt) WCAG AA × Fail

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 70.7791, 78.8158, 53.6020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

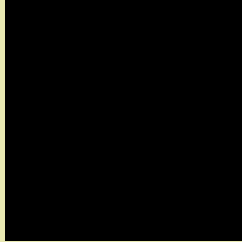
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

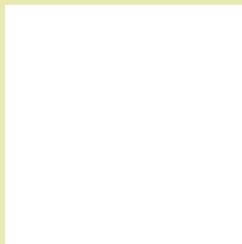
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7791, 78.8158, 53.6020

Background



This preview shows how black text looks on a background with the XYZ color 70.7791, 78.8158, 53.6020.

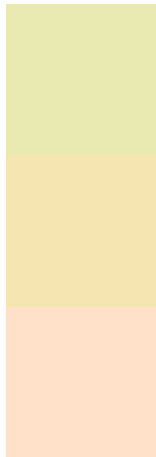


This preview shows how white text looks on a background with the XYZ color 70.7791, 78.8158,

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

70.7791, 78.8158, 53.6020

Protanopia

73.5120, 78.5857, 52.3684

Deuteranopia

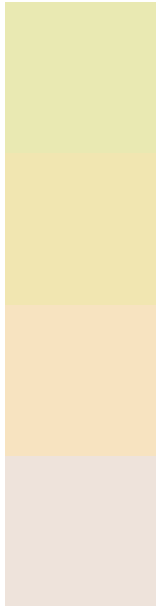
78.3210, 78.7414, 65.7142



Tritanopia

78.9583, 78.4229, 94.9800

Trichromacy



Original Color

70.7791, 78.8158, 53.6020

Protanomaly

72.5083, 78.4687, 52.9194

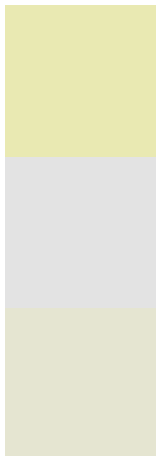
Deuteranomaly

75.3413, 78.5181, 61.0538

Tritanomaly

75.5152, 78.2298, 78.1376

Monochromacy



Original Color

70.7791, 78.8158, 53.6020

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.8410, 77.3001, 71.4556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7791, 78.8158, 53.6020 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(233, 233, 178)` looks like.

```
.text, #text, p{  
    color:rgb(233, 233, 178)  
}
```

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(233, 233, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 233, 178) }
```

Border

The CSS property to change the border of an element to XYZ 70.7791, 78.8158, 53.6020 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(233, 233, 178) }
```


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

```
.border{ border-color:rgb(233, 233, 178) }
```

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

Here you see how a box with a 4 pixel rgb(233, 233, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 233, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 233, 178);  
box-shadow:4px 4px 4px 4px rgb(233, 233,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7791, 78.8158, 53.6020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 233, 178) }
```

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

```
.background{ background-color: rgb(233,  
233, 178) }
```

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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