

Converting Colors

XYZ(50.9232, 55.2872, 7.9876)

Have a look what the booklet for
XYZ(50.9232, 55.2872, 7.9876)
contains.

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Color

**XYZ(50.8791, 55.1990,
7.9728)**

Conversions

Conversions Part 1

Format	Color
Hex	E2C300
RGB	226, 195, 0
RGB Percent	89%, 76%, 0%
CMY	0.1137, 0.2353, 0.9999
CMYK	0.00, 0.14, 1.00, 0.11
HSL	52°, 100%, 44%
HSV	52°, 100%, 89%
XYZ	50.8791, 55.1990, 7.9728
YIQ	182.0390, 81.0710, -54.0730

Conversions

Conversions Part 2

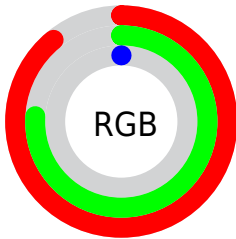
Format	Color
R _Y B	36, 226, 0
Decimal	14861056
CIE Lab	79.16, -4.18, 80.39
CIE LCh	79, 80.498, 92.973
Yxy	55.1990, 0.4461, 0.4840
Android (android.graphics.Color)	4293051136 (0xFFE2C300)
YUV	182.0390, -89.7452, 38.5538
Hunter-Lab	74.2960, -7.7784, 45.6447

Details

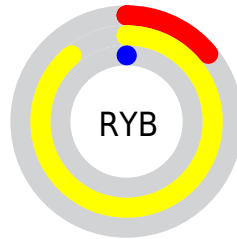
The XYZ color **50.8791, 55.1990, 7.9728** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle washed yellow. A complement of this color would be **14.2179, 6.4717, 72.4506**, and the grayscale version is **44.9301, 47.2699, 51.4770**.

A 20% lighter version of the original color is **77.3374, 90.8945, 21.8558**, and **25.3989, 27.4530, 3.9603** is the 20% darker color. If you saturate the color by 10%, you get **50.8796, 55.2004, 7.9731**, and if you desaturate by 10%, it is **51.7329, 56.6655, 9.0017**.

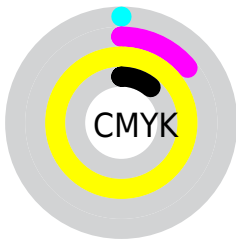
Distribution



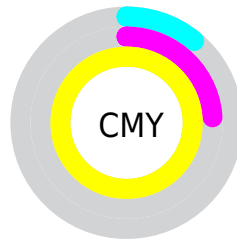
- Red (89%)
- Green (76%)
- Blue (0%)



- Red (14%)
- Yellow (89%)
- Blue (0%)



- Cyan (0%)
- Magenta (14%)
- Yellow (100%)
- Black (11%)



- Cyan (11%)
- Magenta (24%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8791, 55.1990, 7.9728 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 50.8791, 55.1990, 7.9728 by changing the saturation by 10% instead.

■ 50.8791, 55.1990,
7.9728

■ 50.8791, 55.1990,
7.9728

380.4893,
406.6658, 185.4451

■ 36.3331, 39.5611,
3.9900

■ 90.6601, 97.8325,
22.4504

■ 24.8628, 27.1965,
1.6199

■ 116.6257,
125.5968, 33.7823

■ 16.1031, 17.7208,
0.3049

■ 147.1286,
158.1720, 48.4010

■ 9.6884, 10.7498,
0.0000

■ 182.5341,
195.9426, 66.7250

■ 5.2535, 5.8988,
0.0000

■ 223.2076,
239.2928, 89.1729

■ 2.4331, 2.7837,
0.0000

■ 269.5144,

■ 0.8616, 1.0199,

288.6072, 116.1632

0.0000

321.8198,
344.2701, 148.1144

■ 0.0000, 0.0000,
0.0000

■ 50.8791, 55.1990,
7.9728

■ 50.8791, 55.1990,
7.9728

■ 50.8796, 55.2004,
7.9731

■ 51.7329, 56.6655,
9.0017

■ 52.7762, 58.2289,
10.9626

■ 54.0670, 59.9146,
14.1551

■ 55.6381, 61.7358,
18.7506

■ 57.5167, 63.7038,
24.8933

■ 59.7270, 65.8281,
32.7093

■ 62.2906, 68.1176,
42.3119

■ 65.2271, 70.5803,
53.8046

■ 68.5548, 73.2235,
67.2827

Harmonies

Analogous

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



67.7912, 55.1990, 10.7213



50.8791, 55.1990, 7.9728



37.3847, 55.1990, 12.2420

Triad

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



50.8791, 55.1990, 7.9728



30.5826, 55.1990, 122.2528



85.0734, 55.1990, 109.9329

Complementary

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



50.8791, 55.1990, 7.9728



14.2179, 6.4717, 72.4506

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.



71.1368, 55.1990, 169.0634



50.8791, 55.1990, 7.9728



39.6426, 55.1990, 178.3726

Square

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



50.8791, 55.1990, 7.9728



27.2672, 55.1990, 64.8085



54.0835, 55.1990, 198.8140



89.7556, 55.1990, 55.6297

Rectangle

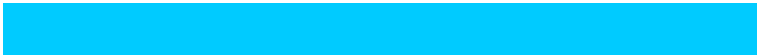
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.8791, 55.1990, 7.9728



31.4656, 55.1990, 21.0180



54.0835, 55.1990, 198.8140



81.1927, 55.1990, 130.6691

Sweetspot

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



50.8803, 55.2017, 7.9739



81.8300, 89.5021, 55.3459



31.6515, 16.2840, 2.9820



17.1972, 18.8782, 10.6405



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.



50.8803, 55.2017, 7.9739



66.8403, 72.4606, 10.4634



39.2120, 60.5866, 9.6283



14.7031, 15.6922, 14.5607



29.0920, 31.6219, 4.5703



2.0613, 2.2815, 0.3317

Inverse Universe

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



14.2179, 6.4717, 72.4506



18.6502, 8.4205, 95.2501



16.9614, 7.1585, 72.4385



13.1029, 13.5449, 17.3115



8.1609, 3.7913, 41.3500



0.6150, 0.3614, 2.8826

Previews

White Background



This preview shows how the XYZ color 50.8791, 55.1990, 7.9728 looks on a white background.

Color Contrast Check

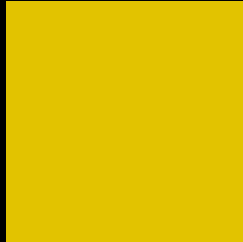
Large Text (above 18pt) WCAG AA × Fail

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 50.8791, 55.1990, 7.9728 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 50.8791, 55.1990, 7.9728

Background



This preview shows how black text looks on a background with the XYZ color 50.8791, 55.1990, 7.9728.



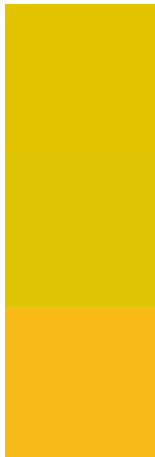
This preview shows how white text looks on a background with the XYZ color 50.8791, 55.1990,

7.9728.

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

50.8791, 55.1990, 7.9728

Protanopia

49.8179, 55.3178, 8.2240

Deuteranopia

56.4250, 55.1361, 8.4790



Tritanopia

61.2993, 54.9924, 59.0135

Trichromacy



Original Color

50.8791, 55.1990, 7.9728

Protanomaly

50.1933, 55.1766, 8.1195

Deuteranomaly

54.2190, 54.9549, 8.2017

Tritanomaly

54.8013, 53.8967, 26.5835

Monochromacy



Original Color

50.8791, 55.1990, 7.9728

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.2114, 48.8074, 23.6136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8791, 55.1990, 7.9728 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(226, 195, 0)` looks like.

```
.text, #text, p{  
    color:rgb(226, 195, 0)  
}
```

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(226, 195, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 195, 0) }
```

Border

The CSS property to change the border of an element to XYZ 50.8791, 55.1990, 7.9728 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(226, 195, 0) }
```


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

```
.border{ border-color:rgb(226, 195, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 195, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 195, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 195, 0);  
box-shadow:4px 4px 4px 4px rgb(226, 195,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8791, 55.1990, 7.9728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 195, 0) }
```

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

```
.background{ background-color: rgb(226,  
195, 0) }
```

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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