

Converting Colors

XYZ(57.3237, 53.2120, 7.2768)

Have a look what the booklet for
XYZ(57.3237, 53.2120, 7.2768)
contains.

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Color

**XYZ(57.1659, 53.1030,
7.2656)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB201
RGB	255, 178, 1
RGB Percent	100%, 70%, 0%
CMY	0.0000, 0.3019, 0.9960
CMYK	0.00, 0.30, 1.00, 0.00
HSL	42°, 100%, 50%
HSV	42°, 100%, 100%
XYZ	57.1659, 53.1030, 7.2656
YIQ	180.8450, 102.7090, -38.7230

Conversions

Conversions Part 2

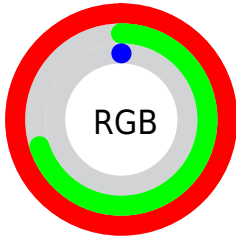
Format	Color
R_{YB}	111, 255, 1
Decimal	16757249
CIE _{Lab}	77.94, 17.16, 80.84
CIE _{LCh}	78, 82.638, 78.015
Yxy	53.1030, 0.4864, 0.4518
Android (android.graphics.Color)	4294947329 (0xFFFFB201)
YUV	180.8450, -88.6636, 65.0339
Hunter-Lab	72.8718, 12.5026, 45.0988

Details

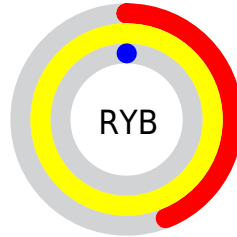
The XYZ color **57.1659, 53.1030, 7.2656** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **20.7876, 12.6766, 95.9582**, and the grayscale version is **44.2649, 46.5701, 50.7148**.

A 20% lighter version of the original color is **72.1858, 80.7148, 19.7576**, and **29.1991, 26.1282, 3.5043** is the 20% darker color. If you saturate the color by 10%, you get **57.1002, 52.9809, 7.2168**, and if you desaturate by 10%, it is **58.9356, 56.3439, 8.7771**.

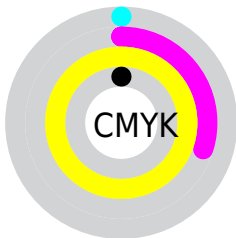
Distribution



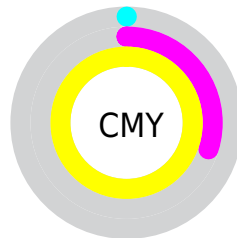
- Red (100%)
- Green (70%)
- Blue (0%)



- Red (44%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (30%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (30%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.1659, 53.1030, 7.2656 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 57.1659, 53.1030, 7.2656 by changing the saturation by 10% instead.


 57.1659, 53.1030,
7.2656

 57.1659, 53.1030,
7.2656


404.0748,
398.6802, 179.5666


 41.3791, 37.8850,
3.5478


 99.8372, 94.7559,
21.0275

 28.8044, 25.8934,
1.3807


 127.4524,
121.9596, 31.9086

 19.0764, 16.7439,
0.1266


 159.7411,
153.9273, 46.0146

 11.8299, 10.0521,
0.0000

 197.0687,
191.0435, 63.7640

 6.6993, 5.4335,
0.0000

 239.8005,
233.6925, 85.5754

 3.3194, 2.5038,
0.0000

 288.3019,

 1.3248, 0.8785,

282.2586, 111.8673

0.0000

342.9382,
337.1264, 143.0581

■ 0.2017, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.1659, 53.1030,
7.2656

■ 57.1659, 53.1030,
7.2656

■ 57.1002, 52.9809,
7.2168

■ 58.9356, 56.3439,
8.7771

■ 61.0333, 59.8548,
11.5871

■ 63.5302, 63.6683,
16.0580

■ 66.4713, 67.8047,
22.4205

69.8947, 72.2812,
30.8686

73.8337, 77.1132,
41.5719

78.3184, 82.3148,
54.6827

83.3763, 87.8988,
70.3397

89.0329, 93.8773,
88.6712

Harmonies

Analogous

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



74.0965, 53.1030, 13.8284



57.1659, 53.1030, 7.2656



41.5056, 53.1030, 7.8871

Triad

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



57.1659, 53.1030, 7.2656



26.4189, 53.1030, 89.7396



77.1059, 53.1030, 139.5326

Complementary

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



57.1659, 53.1030, 7.2656



20.7876, 12.6766, 95.9582

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.



60.6466, 53.1030, 189.4350



57.1659, 53.1030, 7.2656



32.4940, 53.1030, 151.7168

Square

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



57.1659, 53.1030, 7.2656



25.8761, 53.1030, 41.3200



44.3237, 53.1030, 194.8010



87.1406, 53.1030, 78.2148

Rectangle

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



57.1659, 53.1030, 7.2656



33.7320, 53.1030, 12.3650



44.3237, 53.1030, 194.8010



71.9985, 53.1030, 159.3376

Sweetspot

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



57.1671, 53.1057, 7.2666



78.1293, 82.1007, 54.1123



42.7527, 21.8827, 9.8428



16.3056, 17.0951, 10.3433



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.



57.1671, 53.1057, 7.2666



57.1007, 52.9813, 7.2169



61.9004, 84.9948, 13.1724



19.0692, 20.1065, 19.0202



29.9740, 27.9592, 3.8169



3.0147, 2.9148, 0.4037

Inverse Universe

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



20.7876, 12.6766, 95.9582



20.7250, 12.5699, 95.9417



19.2601, 7.8602, 95.1091



17.4519, 18.2755, 22.8577



10.9433, 6.7962, 50.1696



1.1567, 0.8442, 4.9152

Previews

White Background



This preview shows how the XYZ color 57.1659, 53.1030, 7.2656 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 57.1659, 53.1030, 7.2656 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 57.1659, 53.1030, 7.2656

Background



This preview shows how black text looks on a background with the XYZ color 57.1659, 53.1030, 7.2656.



This preview shows how white text looks on a background with the XYZ color 57.1659, 53.1030,

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

57.1659, 53.1030, 7.2656

Protanopia

48.2988, 53.5264, 8.2762

Deuteranopia

54.2417, 53.1001, 7.3905



Tritanopia

63.6662, 52.9312, 50.0412

Trichromacy



Original Color

57.1659, 53.1030, 7.2656

Protanomaly

50.9986, 52.9795, 7.8548

Deuteranomaly

55.2353, 53.0042, 7.3196

Tritanomaly

59.0870, 52.0029, 23.1430

Monochromacy



Original Color

57.1659, 53.1030, 7.2656

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.4861, 47.3134, 23.2580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.1659, 53.1030, 7.2656 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, 178, 1)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 1)  
}
```

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, 178, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 1) }
```

Border

The CSS property to change the border of an element to XYZ 57.1659, 53.1030, 7.2656 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, 178, 1) }
```


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

```
.border{ border-color:rgb(255, 178, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 178, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 1);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 57.1659, 53.1030, 7.2656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 1) }
```

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

```
.background{ background-color: rgb(255,  
178, 1) }
```

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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