

Converting Colors

XYZ(20.7138, 37.5978, 10.5903)

Have a look what the booklet for
XYZ(20.7138, 37.5978, 10.5903)
contains.

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Color

**XYZ(20.7272, 37.6020,
10.5803)**

Conversions

Conversions Part 1

Format	Color
Hex	39BD3D
RGB	57, 189, 61
RGB Percent	22%, 74%, 24%
CMY	0.7765, 0.2588, 0.7608
CMYK	0.70, 0.00, 0.68, 0.26
HSL	122°, 54%, 48%
HSV	122°, 70%, 74%
XYZ	20.7272, 37.6020, 10.5803
YIQ	134.9400, -37.5840, -67.7920

Conversions

Conversions Part 2

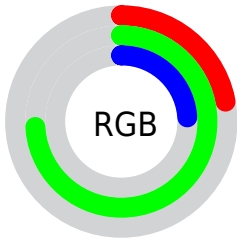
Format	Color
RYB	57, 185, 189
Decimal	3783997
CIELab	67.73, -59.93, 52.41
CIELCh	68, 79.614, 138.832
Yxy	37.6020, 0.3008, 0.5457
Android (android.graphics.Color)	4281974077 (0xFF39BD3D)
YUV	134.9400, -36.4524, -68.3534
Hunter-Lab	61.3205, -46.9753, 32.6944

Details

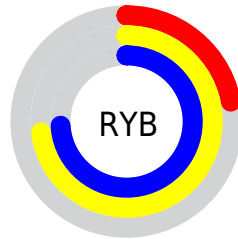
The XYZ color **20.7272, 37.6020, 10.5803** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **31.2071, 17.2482, 47.5830**, and the grayscale version is **23.1486, 24.3541, 26.5216**.

A 20% lighter version of the original color is **44.0191, 71.2640, 27.3549**, and **8.5251, 17.0502, 2.8417** is the 20% darker color. If you saturate the color by 10%, you get **19.4315, 36.9828, 8.3688**, and if you desaturate by 10%, it is **22.5943, 38.4985, 13.7005**.

Distribution



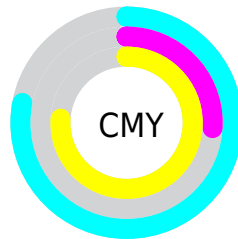
- Red (22%)
- Green (74%)
- Blue (24%)



- Red (22%)
- Yellow (73%)
- Blue (74%)



- Cyan (70%)
- Magenta (0%)
- Yellow (68%)
- Black (26%)



- Cyan (78%)
- Magenta (26%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7272, 37.6020, 10.5803 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 20.7272, 37.6020, 10.5803 by changing the saturation by 10% instead.

■ 20.7272, 37.6020,
10.5803

■ 20.7272, 37.6020,
10.5803

248.5844,
335.9096, 205.3981

■ 13.0361, 25.6739,
5.6748

■ 44.1278, 71.4977,
27.5061

■ 7.5306, 16.5799,
2.5828

■ 60.5679, 94.2341,
40.3635

■ 3.8453, 9.9354,
0.8835

■ 80.6551, 121.3421,
56.7085

■ 1.6150, 5.3561,
0.0000

■ 104.7548,
153.2061, 76.9598

■ 0.4022, 2.4577,
0.0000

■ 133.2321,
190.2104, 101.5359

■ 0.0000, 0.8553,
0.0000

166.4526,

■ 0.0000, 0.0000,

232.7395, 130.8552

0.0000

204.7816,
281.1778, 165.3364

■ 20.7272, 37.6020,
10.5803

■ 20.7272, 37.6020,
10.5803

■ 19.4315, 36.9828,
8.3688

■ 22.5943, 38.4985,
13.7005

■ 18.6394, 36.6046,
6.9664

■ 25.0854, 39.6944,
17.8104

■ 18.2351, 36.4119,
6.2401

■ 28.2504, 41.2147,
22.9847

■ 18.2298, 36.4093,
6.2315

■ 32.1332, 43.0808,
29.2903

■ 36.7741, 45.3121,
36.7888

■ 42.2103, 47.9266,
45.5371

■ 48.4768, 50.9411,
55.5886

■ 55.6062, 54.3714,
66.9936

■ 63.6295, 58.2324,
79.7997

Harmonies

Analogous

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



28.6353, 37.6020, 4.4718



20.7272, 37.6020, 10.5803



17.1943, 37.6020, 29.1734

Triad

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



20.7272, 37.6020, 10.5803



31.3513, 37.6020, 149.8439



63.1261, 37.6020, 22.7376

Complementary

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



20.7272, 37.6020, 10.5803



31.2071, 17.2482, 47.5830

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.



64.3293, 37.6020, 55.5140



20.7272, 37.6020, 10.5803



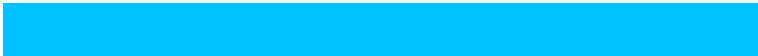
43.9313, 37.6020, 144.3470

Square

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



20.7272, 37.6020, 10.5803



22.3211, 37.6020, 116.0374



56.6659, 37.6020, 103.6815



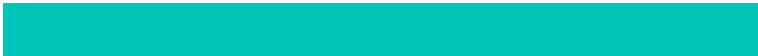
53.6801, 37.6020, 8.1895

Rectangle

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



20.7272, 37.6020, 10.5803



17.0917, 37.6020, 52.2486



56.6659, 37.6020, 103.6815



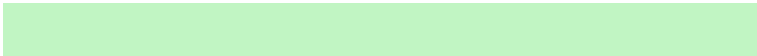
64.5774, 37.6020, 31.3972

Sweetspot

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



20.7281, 37.6036, 10.5811



64.5292, 80.5108, 63.7401



39.3824, 47.2322, 10.9119



13.3662, 17.0680, 12.8829



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



20.7281, 37.6036, 10.5811



33.9165, 65.8111, 13.4390



23.6003, 38.7524, 25.7057



9.4202, 10.6542, 10.1963



12.2702, 24.4984, 4.2197



0.4847, 0.9612, 0.1866

Inverse Universe

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



31.2071, 17.2482, 47.5830



53.8328, 27.0448, 83.7054



25.8893, 15.1211, 19.5795



9.9171, 9.6912, 11.9526



19.8951, 9.5892, 31.0711



0.7833, 0.3772, 1.2380

Previews

White Background



This preview shows how the XYZ color 20.7272, 37.6020, 10.5803 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 20.7272, 37.6020, 10.5803 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 20.7272, 37.6020, 10.5803

Background



This preview shows how black text looks on a background with the XYZ color 20.7272, 37.6020, 10.5803.



This preview shows how white text looks on a background with the XYZ color 20.7272, 37.6020,

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

20.7272, 37.6020, 10.5803

Protanopia

33.4698, 36.8845, 8.8454

Deuteranopia

37.6868, 36.9413, 11.2750



Tritanopia

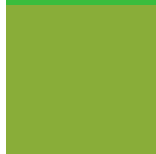
29.6403, 37.5330, 54.9726

Trichromacy



Original Color

20.7272, 37.6020, 10.5803



Protanomaly

25.9986, 35.5009, 9.3530



Deuteranomaly

27.6237, 34.9066, 10.7506



Tritanomaly

24.8662, 36.7668, 32.1717

Monochromacy



Original Color

20.7272, 37.6020, 10.5803



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

20.4915, 27.6512, 18.4446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7272, 37.6020, 10.5803 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(57, 189, 61)` looks like.

```
.text, #text, p{  
    color:rgb(57, 189, 61)  
}
```

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(57, 189, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 189, 61) }
```

Border

The CSS property to change the border of an element to XYZ 20.7272, 37.6020, 10.5803 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(57, 189, 61) }
```


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

```
.border{ border-color:rgb(57, 189, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 189, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 189, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 189, 61);  
box-shadow:4px 4px 4px 4px rgb(57, 189,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7272, 37.6020, 10.5803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 189, 61) }
```

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

```
.background{ background-color: rgb(57, 189,  
61) }
```

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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