

Converting Colors

XYZ(37.4708, 42.9280, 20.7790)

Have a look what the booklet for
XYZ(37.4708, 42.9280, 20.7790)
contains.

XYZ(37.4708, 42.9280, 20.7790)	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(37.4708, 42.9280,
20.7790)**

Conversions

Conversions Part 1

Format	Color
Hex	B3B36D
RGB	179, 179, 109
RGB Percent	70%, 70%, 43%
CMY	0.2980, 0.2980, 0.5725
CMYK	0.00, 0.00, 0.39, 0.30
HSL	60°, 32%, 56%
HSV	60°, 39%, 70%
XYZ	37.4708, 42.9280, 20.7790
YIQ	171.0200, 22.4700, -21.7700

Conversions

Conversions Part 2

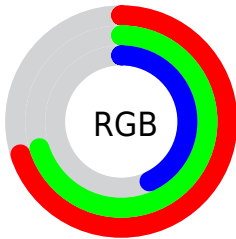
Format	Color
RYB	109, 179, 109
Decimal	11776877
CIELab	71.51, -10.56, 35.73
CIELCh	72, 37.253, 106.462
Yxy	42.9280, 0.3703, 0.4243
Android (android.graphics.Color)	4289966957 (0xFFB3B36D)
YUV	171.0200, -30.5759, 6.9985
Hunter-Lab	65.5195, -12.5743, 27.0603

Details

The XYZ color **37.4708, 42.9280, 20.7790** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.9135, 17.4442, 44.9678**, and the grayscale version is **38.8605, 40.8842, 44.5229**.

A 20% lighter version of the original color is **70.8220, 79.8582, 45.8639**, and **16.7339, 19.6079, 7.1777** is the 20% darker color. If you saturate the color by 10%, you get **36.6039, 42.5827, 16.2106**, and if you desaturate by 10%, it is **38.5361, 43.3557, 26.3828**.

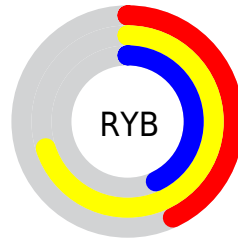
Distribution



Red (70%)

Green (70%)

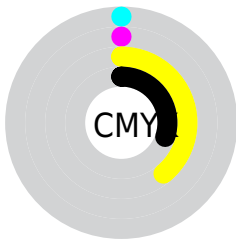
Blue (43%)



Red (43%)

Yellow (70%)

Blue (43%)

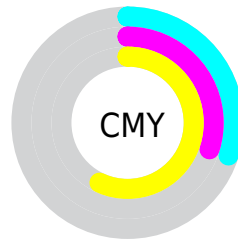


Cyan (0%)

Magenta (0%)

Yellow (39%)

Black (30%)



Cyan (30%)

Magenta (30%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4708, 42.9280, 20.7790 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 37.4708, 42.9280, 20.7790 by changing the saturation by 10% instead.

■ 37.4708, 42.9280,
20.7790

■ 37.4708, 42.9280,
20.7790

326.6646,
358.3156, 268.8440

■ 25.7476, 29.8286,
12.7729

■ 70.6054, 79.6022,
45.5954

■ 16.7666, 19.7085,
7.1435

■ 92.7475, 103.9458,
63.2429

■ 10.1625, 12.1834,
3.4722

■ 119.0933,
132.8063, 84.9411

■ 5.5699, 6.8687,
1.3405

■ 150.0081,
166.5680, 111.1088

■ 2.6235, 3.3801,
0.0946

185.8573,
205.6155, 142.1643

■ 0.9580, 1.3333,
0.0000

227.0062,

■ 0.0000, 0.1667,

250.3329, 178.5264

0.0000

273.8202,
301.1048, 220.6134

■ 0.0000, 0.0000,
0.0000

■ 37.4708, 42.9280,
20.7790

■ 37.4708, 42.9280,
20.7790

■ 36.6039, 42.5827,
16.2106

■ 38.5361, 43.3557,
26.3828

■ 35.9201, 42.3092,
12.6116

■ 39.8076, 43.8643,
33.0770

■ 35.4074, 42.1041,
9.9131


■ 41.2966, 44.4599,
40.9162


■ 35.0506, 41.9613,
8.0354

■ 43.0125, 45.1463,
49.9504


■ 34.8319, 41.8738,
6.8853


■ 44.9642, 45.9270,
60.2265

 34.7185, 41.8284,
6.2898

 47.1602, 46.8055,
71.7892

 34.7097, 41.8249,
6.2436

 49.6086, 47.7849,
84.6808

 52.3170, 48.8683,
98.9416

 52.7640, 49.0471,
101.2938

Harmonies

Analogous

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



43.6977, 42.9280, 20.5138



37.4708, 42.9280, 20.7790



32.6503, 42.9280, 26.7179

Triad

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



37.4708, 42.9280, 20.7790



33.0278, 42.9280, 76.6013



53.7202, 42.9280, 55.3237

Complementary

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



37.4708, 42.9280, 20.7790



19.9135, 17.4442, 44.9678

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.



50.2082, 42.9280, 74.8777



37.4708, 42.9280, 20.7790



38.0367, 42.9280, 89.1302

Square

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



37.4708, 42.9280, 20.7790



30.2713, 42.9280, 57.2556



44.3245, 42.9280, 88.4288



53.5286, 42.9280, 37.6001

Rectangle

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



37.4708, 42.9280, 20.7790



30.6914, 42.9280, 34.2328



44.3245, 42.9280, 88.4288



52.9194, 42.9280, 61.9767

Sweetspot

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



37.4719, 42.9300, 20.7799



73.0886, 79.2747, 68.7045



26.8208, 21.6261, 17.2292



16.1156, 17.5324, 14.8153



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



37.4719, 42.9300, 20.7799



65.7375, 76.3340, 30.0037



30.3837, 39.2758, 20.4482



9.1970, 9.9066, 9.0800



24.5261, 29.5538, 4.4118



0.7717, 0.9299, 0.1388

Inverse Universe

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



19.9135, 17.4442, 44.9678



29.8214, 24.2021, 79.4809



25.1082, 20.1222, 45.2109



8.0420, 8.2302, 10.6711



5.7499, 2.3000, 30.2779



0.1809, 0.0724, 0.9527

Previews

White Background



This preview shows how the XYZ color 37.4708, 42.9280, 20.7790 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 37.4708, 42.9280, 20.7790 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

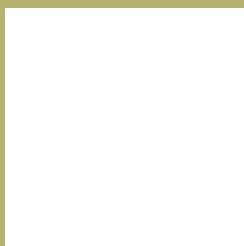
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4708, 42.9280, 20.7790

Background



This preview shows how black text looks on a background with the XYZ color 37.4708, 42.9280, 20.7790.



This preview shows how white text looks on a background with the XYZ color 37.4708, 42.9280,

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

37.4708, 42.9280, 20.7790

Protanopia

39.5226, 42.8190, 20.3692

Deuteranopia

43.6073, 42.6562, 21.2643



Tritanopia

43.6610, 42.8597, 50.7713

Trichromacy



Original Color

37.4708, 42.9280, 20.7790

Protanomaly

38.7256, 42.6982, 20.3879

Deuteranomaly

40.9853, 42.4156, 21.0658

Tritanomaly

40.9519, 42.6017, 37.5170

Monochromacy



Original Color

37.4708, 42.9280, 20.7790

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.9369, 41.4089, 34.0102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4708, 42.9280, 20.7790 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(179, 179, 109)` looks like.

```
.text, #text, p{  
    color:rgb(179, 179, 109)  
}
```

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(179, 179, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 179, 109) }
```

Border

The CSS property to change the border of an element to XYZ 37.4708, 42.9280, 20.7790 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(179, 179, 109) }
```


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

```
.border{ border-color:rgb(179, 179, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 179, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 179, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 179, 109);  
box-shadow:4px 4px 4px 4px rgb(179, 179,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4708, 42.9280, 20.7790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 179, 109) }
```

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

```
.background{ background-color: rgb(179,  
179, 109) }
```

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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