

Converting Colors

XYZ(28.4896, 37.7060, 20.4175)

Have a look what the booklet for
XYZ(28.4896, 37.7060, 20.4175)
contains.

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Color

**XYZ(28.5283, 37.7210,
20.5291)**

Conversions

Conversions Part 1

Format	Color
Hex	87B16E
RGB	135, 177, 110
RGB Percent	53%, 69%, 43%
CMY	0.4706, 0.3059, 0.5686
CMYK	0.24, 0.00, 0.38, 0.31
HSL	98°, 30%, 56%
HSV	98°, 38%, 69%
XYZ	28.5283, 37.7210, 20.5291
YIQ	156.8040, -3.5250, -29.7410

Conversions

Conversions Part 2

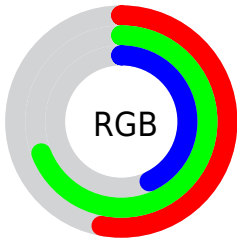
Format	Color
RYB	110, 177, 152
Decimal	8892782
CIELab	67.81, -26.50, 29.82
CIELCh	68, 39.895, 131.619
Yxy	37.7210, 0.3287, 0.4347
Android (android.graphics.Color)	4287082862 (0xFF87B16E)
YUV	156.8040, -23.0744, -19.1221
Hunter-Lab	61.4174, -24.5675, 23.1742

Details

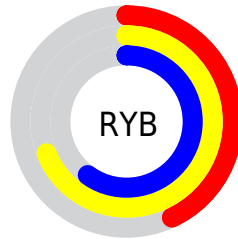
The XYZ color **28.5283, 37.7210, 20.5291** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.4623, 21.0027, 44.2563**, and the grayscale version is **32.0621, 33.7318, 36.7340**.

A 20% lighter version of the original color is **56.6468, 71.7053, 45.0373**, and **11.6172, 16.5912, 7.0050** is the 20% darker color. If you saturate the color by 10%, you get **25.9662, 36.5018, 15.8714**, and if you desaturate by 10%, it is **31.4709, 39.1164, 26.2110**.

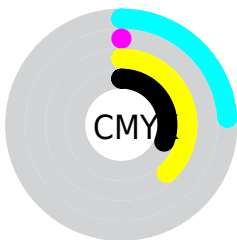
Distribution



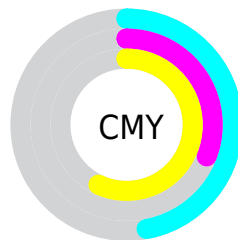
- Red (53%)
- Green (69%)
- Blue (43%)



- Red (43%)
- Yellow (69%)
- Blue (60%)



- Cyan (24%)
- Magenta (0%)
- Yellow (38%)
- Black (31%)



- Cyan (47%)
- Magenta (31%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5283, 37.7210, 20.5291 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 28.5283, 37.7210, 20.5291 by changing the saturation by 10% instead.

■ 28.5283, 37.7210,
20.5291

■ 28.5283, 37.7210,
20.5291

287.0173,
336.4216, 267.4636

■ 18.8668, 25.7662,
12.5923

■ 56.7296, 71.6803,
45.1731

■ 11.6775, 16.6488,
7.0210

■ 76.0000, 94.4536,
62.7174

■ 6.5951, 9.9844,
3.3966

■ 99.2041, 121.6019,
84.3013

■ 3.2543, 5.3886,
1.3005

■ 126.7073,
153.5095, 110.3433

■ 1.2896, 2.4770,
0.0622

158.8748,
190.5609, 141.2620

■ 0.1754, 0.8651,
0.0000

196.0721,

■ 0.0000, 0.0000,

233.1405, 177.4759

0.0000

238.6645,
281.6326, 219.4036

■ 28.5283, 37.7210,
20.5291

■ 28.5283, 37.7210,
20.5291

■ 25.9662, 36.5018,
15.8714

■ 31.4709, 39.1164,
26.2110

■ 23.7647, 35.4464,
12.1745

■ 34.8072, 40.6902,
32.9706

■ 21.9058, 34.5482,
9.3718


■ 38.5532, 42.4506,
40.8606


■ 20.3690, 33.7983,
7.3871


■ 42.7230, 44.4038,
49.9294


■ 19.1307, 33.1865,
6.1313

■ 47.3301, 46.5557,
60.2229


 18.1572, 32.6984,
5.4635

 52.3873, 48.9122,
71.7842

 17.9724, 32.6055,
5.3463

 57.9069, 51.4785,
84.6544

 63.9007, 54.2599,
98.8729

 67.9902, 56.3055,
101.8923

Harmonies

Analogous

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



33.5133, 37.7210, 15.9502



28.5283, 37.7210, 20.5291



25.7210, 37.7210, 31.2519

Triad

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



28.5283, 37.7210, 20.5291



32.2362, 37.7210, 82.5488



48.7907, 37.7210, 34.5945

Complementary

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



28.5283, 37.7210, 20.5291



26.4623, 21.0027, 44.2563

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.



48.3468, 37.7210, 52.7592



28.5283, 37.7210, 20.5291



38.2985, 37.7210, 84.2137

Square

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



28.5283, 37.7210, 20.5291



27.6861, 37.7210, 68.0607



44.3343, 37.7210, 72.1112



45.4853, 37.7210, 22.3682

Rectangle

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



28.5283, 37.7210, 20.5291



25.2422, 37.7210, 42.0405



44.3343, 37.7210, 72.1112



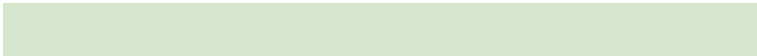
49.0844, 37.7210, 40.1181

Sweetspot

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



28.5293, 37.7226, 20.5299



66.7240, 74.9347, 68.2343



32.0651, 32.7097, 19.3760



14.2670, 16.1488, 14.3792



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



28.5293, 37.7226, 20.5299



47.4049, 65.8012, 30.0173



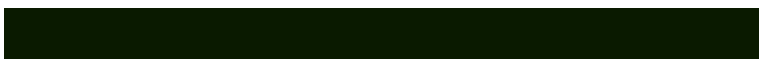
25.4128, 36.0647, 22.7049



8.6786, 9.6394, 9.0557



13.0834, 23.6548, 3.8763



0.4775, 0.7782, 0.1250

Inverse Universe

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



26.4623, 21.0027, 44.2563



43.1803, 31.7367, 78.3452



30.8875, 23.3714, 40.5115



8.5366, 8.4851, 10.6942



10.5648, 4.7821, 30.5032



0.3944, 0.1824, 0.9627

Previews

White Background



This preview shows how the XYZ color 28.5283, 37.7210, 20.5291 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 28.5283, 37.7210, 20.5291 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 28.5283, 37.7210, 20.5291

Background



This preview shows how black text looks on a background with the XYZ color 28.5283, 37.7210, 20.5291.



This preview shows how white text looks on a background with the XYZ color 28.5283, 37.7210,

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

28.5283, 37.7210, 20.5291

Protanopia

34.5953, 37.5139, 18.7821

Deuteranopia

38.0291, 37.4044, 21.1350



Tritanopia

34.3002, 37.4937, 49.6852

Trichromacy



Original Color

28.5283, 37.7210, 20.5291

Protanomaly

31.9461, 37.2240, 19.4111

Deuteranomaly

33.8913, 37.1012, 20.9978

Tritanomaly

31.7190, 37.2769, 36.9759

Monochromacy



Original Color

28.5283, 37.7210, 20.5291

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.4035, 34.8339, 29.9321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5283, 37.7210, 20.5291 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(135, 177, 110)` looks like.

```
.text, #text, p{  
    color:rgb(135, 177, 110)  
}
```

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(135, 177, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 177, 110) }
```

Border

The CSS property to change the border of an element to XYZ 28.5283, 37.7210, 20.5291 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(135, 177, 110) }
```


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

```
.border{ border-color:rgb(135, 177, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 177, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 177, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 177, 110);  
box-shadow:4px 4px 4px 4px rgb(135, 177,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5283, 37.7210, 20.5291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 177, 110) }
```

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

```
.background{ background-color: rgb(135,  
177, 110) }
```

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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