

Converting Colors

XYZ(21.2389, 37.2267, 10.7541)

Have a look what the booklet for
XYZ(21.2389, 37.2267, 10.7541)
contains.

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Color

**XYZ(21.2661, 37.2391,
10.7697)**

Conversions

Conversions Part 1

Format	Color
Hex	47BB3F
RGB	71, 187, 63
RGB Percent	28%, 73%, 25%
CMY	0.7216, 0.2667, 0.7529
CMYK	0.62, 0.00, 0.66, 0.27
HSL	116°, 50%, 49%
HSV	116°, 66%, 73%
XYZ	21.2661, 37.2391, 10.7697
YIQ	138.1800, -29.3320, -63.1560

Conversions

Conversions Part 2

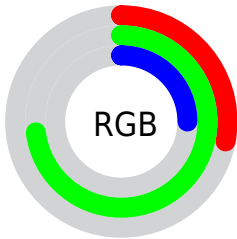
Format	Color
RYB	63, 187, 179
Decimal	4700991
CIELab	67.46, -56.18, 51.40
CIElCh	67, 76.144, 137.547
Yxy	37.2391, 0.3070, 0.5376
Android (android.graphics.Color)	4282891071 (0xFF47BB3F)
YUV	138.1800, -37.0637, -58.9169
Hunter-Lab	61.0238, -44.5866, 32.2530

Details

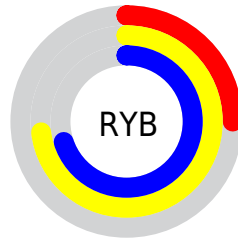
The XYZ color **21.2661, 37.2391, 10.7697** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **29.3397, 16.7280, 48.6981**, and the grayscale version is **24.3724, 25.6416, 27.9237**.

A 20% lighter version of the original color is **45.0188, 70.8679, 27.8291**, and **8.2513, 16.5025, 2.7504** is the 20% darker color. If you saturate the color by 10%, you get **19.7264, 36.4969, 8.4179**, and if you desaturate by 10%, it is **23.3544, 38.2458, 14.0751**.

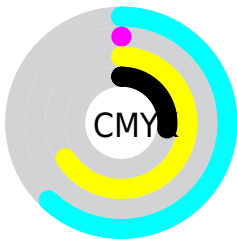
Distribution



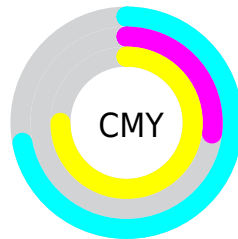
- Red (28%)
- Green (73%)
- Blue (25%)



- Red (25%)
- Yellow (73%)
- Blue (70%)



- Cyan (62%)
- Magenta (0%)
- Yellow (66%)
- Black (27%)



- Cyan (72%)
- Magenta (27%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2661, 37.2391, 10.7697 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 21.2661, 37.2391, 10.7697 by changing the saturation by 10% instead.

■ 21.2661, 37.2391,
10.7697

■ 21.2661, 37.2391,
10.7697

251.3943,
334.3445, 206.7611

■ 13.4322, 25.3927,
5.8000

■ 45.0179, 70.9404,
27.8636

■ 7.8059, 16.3698,
2.6570

■ 61.6666, 93.5640,
40.8249

■ 4.0217, 9.7862,
0.9217

■ 81.9842, 120.5488,
57.2871

■ 1.7144, 5.2575,
0.0000

■ 106.3362,
152.2792, 77.6688

■ 0.4653, 2.3991,
0.0000

■ 135.0878,
189.1396, 102.3885

■ 0.0000, 0.8254,
0.0000

168.6045,

■ 0.0000, 0.0000,

231.5143, 131.8647

0.0000

207.2515,
279.7879, 166.5161

■ 21.2661, 37.2391,
10.7697

■ 21.2661, 37.2391,
10.7697

■ 19.7264, 36.4969,
8.4179

■ 23.3544, 38.2458,
14.0751

■ 18.6811, 35.9902,
6.9164

■ 26.0336, 39.5336,
18.4182

■ 18.0681, 35.6909,
6.1350

■ 29.3450, 41.1233,
23.8769

■ 17.9235, 35.6207,
5.9308

■ 33.3253, 43.0323,
30.5207

■ 38.0085, 45.2767,
38.4136

■ 43.4263, 47.8716,
47.6151

■ 49.6083, 50.8311,
58.1807

■ 56.5828, 54.1686,
70.1629

■ 64.3762, 57.8967,
83.6113

Harmonies

Analogous

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



29.0415, 37.2391, 4.9309



21.2661, 37.2391, 10.7697



17.6710, 37.2391, 28.1900

Triad

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



21.2661, 37.2391, 10.7697



30.7657, 37.2391, 141.4776



61.4414, 37.2391, 24.0717

Complementary

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



21.2661, 37.2391, 10.7697



29.3397, 16.7280, 48.6981

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.



62.1912, 37.2391, 56.0721



21.2661, 37.2391, 10.7697



42.6126, 37.2391, 138.0985

Square

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



21.2661, 37.2391, 10.7697



22.2878, 37.2391, 108.9994



54.7033, 37.2391, 101.3638



52.8367, 37.2391, 9.1831

Rectangle

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



21.2661, 37.2391, 10.7697



17.4615, 37.2391, 49.6026



54.7033, 37.2391, 101.3638



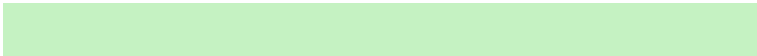
62.6789, 37.2391, 32.6667

Sweetspot

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



21.2670, 37.2407, 10.7705



64.5480, 79.3994, 62.8448



37.4591, 43.0589, 11.0402



13.6965, 17.2368, 12.9667



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.



21.2670, 37.2407, 10.7705



34.2907, 64.8608, 13.5573



23.0167, 37.8772, 22.8467



9.4642, 10.6782, 10.1389



12.3716, 24.5536, 4.0873



0.5043, 0.9719, 0.1610

Inverse Universe

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



29.3397, 16.7280, 48.6981



49.6935, 25.3587, 86.4770



26.5244, 15.8217, 23.9443



9.8676, 9.6641, 12.0175



18.3755, 8.7590, 33.1151



0.7383, 0.3526, 1.2980

Previews

White Background



This preview shows how the XYZ color 21.2661, 37.2391, 10.7697 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 21.2661, 37.2391, 10.7697 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 21.2661, 37.2391, 10.7697

Background



This preview shows how black text looks on a background with the XYZ color 21.2661, 37.2391, 10.7697.



This preview shows how white text looks on a background with the XYZ color 21.2661, 37.2391,

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

21.2661, 37.2391, 10.7697

Protanopia

33.1024, 36.4250, 9.0274

Deuteranopia

37.2811, 36.4803, 11.3798



Tritanopia

29.8821, 37.1008, 53.7303

Trichromacy



Original Color

21.2661, 37.2391, 10.7697



Protanomaly

26.6973, 35.5716, 9.5966



Deuteranomaly

28.2193, 34.9371, 10.8864



Tritanomaly

25.2945, 36.3970, 31.6788

Monochromacy



Original Color

21.2661, 37.2391, 10.7697



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.6971, 28.5020, 19.3968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2661, 37.2391, 10.7697 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(71, 187, 63)` looks like.

```
.text, #text, p{  
    color:rgb(71, 187, 63)  
}
```

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(71, 187, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 187, 63) }
```

Border

The CSS property to change the border of an element to XYZ 21.2661, 37.2391, 10.7697 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(71, 187, 63) }
```


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

```
.border{ border-color:rgb(71, 187, 63) }
```

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

Here you see how a box with a 4 pixel rgb(71, 187, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 187, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 187, 63);  
box-shadow:4px 4px 4px 4px rgb(71, 187,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2661, 37.2391, 10.7697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 187, 63) }
```

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

```
.background{ background-color: rgb(71, 187,  
63) }
```

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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