

Converting Colors

XYZ(21.6619, 29.6122, 11.1009)

Have a look what the booklet for
XYZ(21.6619, 29.6122, 11.1009)
contains.

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Color

**XYZ(21.6920, 29.7010,
11.0681)**

Conversions

Conversions Part 1

Format	Color
Hex	79A04A
RGB	121, 160, 74
RGB Percent	47%, 63%, 29%
CMY	0.5255, 0.3725, 0.7098
CMYK	0.24, 0.00, 0.54, 0.37
HSL	87°, 37%, 46%
HSV	87°, 54%, 63%
XYZ	21.6920, 29.7010, 11.0681
YIQ	138.5350, 4.3620, -35.0140

Conversions

Conversions Part 2

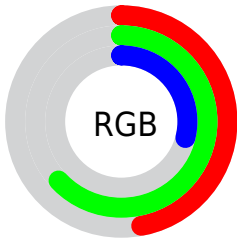
Format	Color
RYB	74, 160, 113
Decimal	7970890
CIELab	61.40, -28.05, 40.10
CIELCh	61, 48.934, 124.968
Yxy	29.7010, 0.3473, 0.4755
Android (android.graphics.Color)	4286160970 (0xFF79A04A)
YUV	138.5350, -31.8158, -15.3782
Hunter-Lab	54.4986, -24.3245, 26.1079

Details

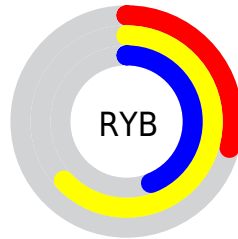
The XYZ color **21.6920, 29.7010, 11.0681** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **15.6052, 10.9472, 34.5500**, and the grayscale version is **24.4797, 25.7545, 28.0467**.

A 20% lighter version of the original color is **45.6813, 59.1955, 28.4203**, and **7.9817, 12.0563, 2.7706** is the 20% darker color. If you saturate the color by 10%, you get **20.2413, 29.0086, 8.5356**, and if you desaturate by 10%, it is **23.3578, 30.4903, 14.3276**.

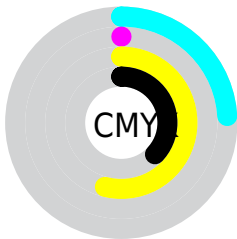
Distribution



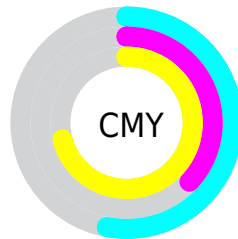
- Red (47%)
- Green (63%)
- Blue (29%)



- Red (29%)
- Yellow (63%)
- Blue (44%)



- Cyan (24%)
- Magenta (0%)
- Yellow (54%)
- Black (37%)



- Cyan (53%)
- Magenta (37%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6920, 29.7010, 11.0681 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 21.6920, 29.7010, 11.0681 by changing the saturation by 10% instead.

■ 21.6920, 29.7010,
11.0681

■ 21.6920, 29.7010,
11.0681

253.5963,
300.5083, 208.8883

■ 13.7461, 19.6117,
5.9979

■ 45.7191, 59.1890,
28.4246

■ 8.0248, 12.1131,
2.7750

■ 62.5309, 79.3565,
41.5480

■ 4.1628, 6.8208,
0.9809

■ 83.0288, 103.6523,
58.1929

■ 1.7946, 3.3503,
0.0000

■ 107.5781,
132.4607, 78.7778

■ 0.5144, 1.3172,
0.0000

■ 136.5442,
166.1661, 103.7212

■ 0.0000, 0.1545,
0.0000

170.2923,

■ 0.0000, 0.0000,

205.1529, 133.4418

0.0000

209.1879,
249.8055, 168.3580

■ 21.6920, 29.7010,
11.0681

■ 21.6920, 29.7010,
11.0681

■ 20.2413, 29.0086,
8.5356

■ 23.3578, 30.4903,
14.3276

■ 18.9913, 28.4042,
6.6722

■ 25.2476, 31.3771,
18.3622

■ 17.9287, 27.8831,
5.4144

■ 27.3724, 32.3672,
23.2182

■ 17.0373, 27.4388,
4.6854

■ 29.7417, 33.4645,
28.9379

■ 16.5430, 27.1903,
4.3764

■ 32.3644, 34.6727,
35.5603

■ 35.2490, 35.9954,
43.1224

■ 38.4034, 37.4359,
51.6588

■ 41.8353, 38.9974,
61.2026

■ 45.5519, 40.6830,
71.7852

Harmonies

Analogous

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



27.1677, 29.7010, 8.2673



21.6920, 29.7010, 11.0681



18.4038, 29.7010, 19.5005

Triad

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



21.6920, 29.7010, 11.0681



23.2930, 29.7010, 76.4726



42.5026, 29.7010, 29.3552

Complementary

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



21.6920, 29.7010, 11.0681



15.6052, 10.9472, 34.5500

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.



41.0480, 29.7010, 49.8499



21.6920, 29.7010, 11.0681



29.3194, 29.7010, 82.3093

Square

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



21.6920, 29.7010, 11.0681



19.2245, 29.7010, 57.3152



35.9649, 29.7010, 71.1334



39.6827, 29.7010, 15.9343

Rectangle

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



21.6920, 29.7010, 11.0681



17.5752, 29.7010, 29.3180



35.9649, 29.7010, 71.1334



42.5010, 29.7010, 35.5615

Sweetspot

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



21.6927, 29.7023, 11.0687



52.8557, 60.2302, 49.7297



21.6061, 19.7125, 9.1451



11.4088, 13.1246, 10.4610



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.6927, 29.7023, 11.0687



36.3911, 52.4958, 14.9209



16.9743, 27.2699, 10.8479



6.8797, 7.5706, 7.0843



12.9374, 21.2062, 3.4113



0.2798, 0.4041, 0.0633

Inverse Universe

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



15.6052, 10.9472, 34.5500



24.2041, 14.9097, 61.9887



22.4474, 14.4744, 34.8702



6.5562, 6.5752, 8.3303



7.1071, 3.0929, 26.1296



0.1752, 0.0801, 0.4695

Previews

White Background



This preview shows how the XYZ color 21.6920, 29.7010, 11.0681 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6920, 29.7010, 11.0681 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 × Fail

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

XYZ 21.6920, 29.7010, 11.0681

Background



This preview shows how black text looks on a background with the XYZ color 21.6920, 29.7010, 11.0681.



This preview shows how white text looks on a background with the XYZ color 21.6920, 29.7010,

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

21.6920, 29.7010, 11.0681

Protanopia

27.0052, 29.5145, 10.0679

Deuteranopia

29.9922, 29.4380, 11.4985



Tritanopia

27.3503, 29.7641, 38.9539

Trichromacy



Original Color

21.6920, 29.7010, 11.0681

Protanomaly

24.5783, 29.2073, 10.3034

Deuteranomaly

26.2275, 29.0866, 11.2531

Tritanomaly

24.7056, 29.4170, 25.8487

Monochromacy



Original Color

21.6920, 29.7010, 11.0681

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

23.0439, 27.0108, 20.2187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6920, 29.7010, 11.0681 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(121, 160, 74)` looks like.

```
.text, #text, p{  
    color:rgb(121, 160, 74)  
}
```

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(121, 160, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 160, 74) }
```

Border

The CSS property to change the border of an element to XYZ 21.6920, 29.7010, 11.0681 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(121, 160, 74) }
```


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

```
.border{ border-color:rgb(121, 160, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 160, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 160, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 160, 74);  
box-shadow:4px 4px 4px 4px rgb(121, 160,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6920, 29.7010, 11.0681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 160, 74) }
```

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

```
.background{ background-color: rgb(121,  
160, 74) }
```

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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