

Converting Colors

XYZ(21.6123, 28.2513, 19.7979)

Have a look what the booklet for
XYZ(21.6123, 28.2513, 19.7979)
contains.

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Color

**XYZ(21.6414, 28.2124,
19.9277)**

Conversions

Conversions Part 1

Format	Color
Hex	729B71
RGB	114, 155, 113
RGB Percent	45%, 61%, 44%
CMY	0.5529, 0.3921, 0.5569
CMYK	0.26, 0.00, 0.27, 0.39
HSL	119°, 17%, 53%
HSV	119°, 27%, 61%
XYZ	21.6414, 28.2124, 19.9277
YIQ	137.9530, -10.9540, -21.7540

Conversions

Conversions Part 2

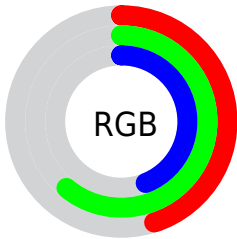
Format	Color
RYB	113, 155, 154
Decimal	7510897
CIELab	60.08, -22.61, 17.62
CIELCh	60, 28.668, 142.075
Yxy	28.2124, 0.3101, 0.4043
Android (android.graphics.Color)	4285700977 (0xFF729B71)
YUV	137.9530, -12.3018, -21.0068
Hunter-Lab	53.1153, -20.2235, 14.9364

Details

The XYZ color **21.6414, 28.2124, 19.9277** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.1493, 21.0477, 33.7490**, and the grayscale version is **24.1886, 25.4483, 27.7132**.

A 20% lighter version of the original color is **45.7745, 57.0253, 44.1917**, and **8.0188, 11.3723, 6.7735** is the 20% darker color. If you saturate the color by 10%, you get **19.0343, 26.9616, 15.6330**, and if you desaturate by 10%, it is **24.7247, 29.6931, 25.0239**.

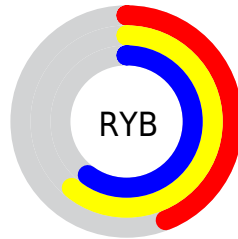
Distribution



Red (45%)

Green (61%)

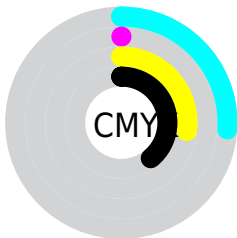
Blue (44%)



Red (44%)

Yellow (61%)

Blue (60%)

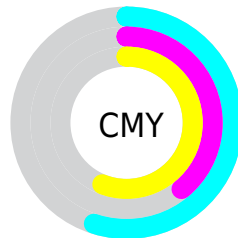


Cyan (26%)

Magenta (0%)

Yellow (27%)

Black (39%)



Cyan (55%)

Magenta (39%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6414, 28.2124, 19.9277 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 21.6414, 28.2124, 19.9277 by changing the saturation by 10% instead.

■ 21.6414, 28.2124,
19.9277

■ 21.6414, 28.2124,
19.9277

253.3355,
293.4805, 264.1147

■ 13.7088, 18.4858,
12.1589

■ 45.6359, 56.8234,
44.1533

■ 7.9987, 11.2993,
6.7282

■ 62.4284, 76.4766,
61.4472

■ 4.1459, 6.2686,
3.2168

■ 82.9050, 100.2074,
82.7533

■ 1.7850, 3.0091,
1.2064

■ 107.4309,
128.4003, 108.4901

■ 0.5086, 1.1365,
0.0000

136.3716,
161.4397, 139.0761

■ 0.0000, 0.0089,
0.0000

170.0923,

■ 0.0000, 0.0000,

199.7099, 174.9298

0.0000

208.9585,
243.5954, 216.4698

■ 21.6414, 28.2124,
19.9277

■ 21.6414, 28.2124,
19.9277

■ 19.0343, 26.9616,
15.6330

■ 24.7247, 29.6931,
25.0239

■ 16.8776, 25.9258,
12.0974

■ 28.3039, 31.4106,
30.9575

■ 15.1465, 25.0940,
9.2773

■ 32.4003, 33.3760,
37.7645

■ 13.8127, 24.4527,
7.1238

■ 37.0333, 35.5985,
45.4783

■ 12.8448, 23.9868,
5.5822

■ 42.2214, 38.0869,
54.1303

■ 12.2064, 23.6790,
4.5890

■ 47.9821, 40.8497,
63.7507

■ 11.8477, 23.5059,
4.0418

■ 54.3321, 43.8948,
74.3681

■ 11.7681, 23.4677,
3.9095

■ 61.2874, 47.2299,
86.0102

■ 68.8637, 50.8625,
98.7033

Harmonies

Analogous

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



24.2580, 28.2124, 15.5790



21.6414, 28.2124, 19.9277



20.4353, 28.2124, 28.0243

Triad

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



21.6414, 28.2124, 19.9277



25.8570, 28.2124, 55.2967



33.8743, 28.2124, 23.7540

Complementary

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



21.6414, 28.2124, 19.9277



25.1493, 21.0477, 33.7490

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.



34.4010, 28.2124, 33.5801



21.6414, 28.2124, 19.9277



29.5458, 28.2124, 53.4182

Square

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



21.6414, 28.2124, 19.9277



22.7207, 28.2124, 49.5021



32.7538, 28.2124, 44.8351



31.3739, 28.2124, 17.4127

Rectangle

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



21.6414, 28.2124, 19.9277



20.5092, 28.2124, 35.1272



32.7538, 28.2124, 44.8351



34.2967, 28.2124, 26.6950

Sweetspot

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



21.6421, 28.2136, 19.9283



49.9651, 55.9040, 54.2411



27.9892, 31.1417, 20.1590



11.0923, 12.5495, 11.9171



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.6421, 28.2136, 19.9283



35.6062, 49.0125, 30.4949



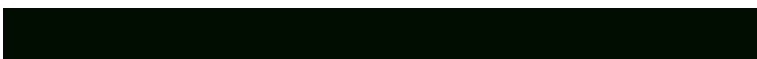
22.7384, 28.6372, 26.3757



6.1451, 6.9322, 6.6200



9.4564, 18.8508, 3.1402



0.1445, 0.2835, 0.0471

Inverse Universe

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



25.1493, 21.0477, 33.7490



43.0401, 33.8196, 59.7957



23.8251, 20.5401, 25.7795



6.4467, 6.3162, 7.8083



15.0546, 7.2120, 25.5063



0.2290, 0.1098, 0.3815

Previews

White Background



This preview shows how the XYZ color 21.6414, 28.2124, 19.9277 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 21.6414, 28.2124, 19.9277 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 21.6414, 28.2124, 19.9277

Background



This preview shows how black text looks on a background with the XYZ color 21.6414, 28.2124, 19.9277.



This preview shows how white text looks on a background with the XYZ color 21.6414, 28.2124,

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

21.6414, 28.2124, 19.9277

Protanopia

26.1976, 27.9978, 18.2107

Deuteranopia

28.5335, 28.0510, 20.4335



Tritanopia

25.2065, 28.2057, 37.8339

Trichromacy



Original Color

21.6414, 28.2124, 19.9277

Protanomaly

24.2196, 27.8810, 18.8569

Deuteranomaly

25.4327, 27.7845, 20.2422

Tritanomaly

23.7084, 28.0688, 30.5538

Monochromacy



Original Color

21.6414, 28.2124, 19.9277

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.9890, 26.1986, 24.6141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6414, 28.2124, 19.9277 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(114, 155, 113)` looks like.

```
.text, #text, p{  
    color:rgb(114, 155, 113)  
}
```

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(114, 155, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 155, 113) }
```

Border

The CSS property to change the border of an element to XYZ 21.6414, 28.2124, 19.9277 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(114, 155, 113) }
```


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

```
.border{ border-color:rgb(114, 155, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 155, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 155, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 155, 113);  
box-shadow:4px 4px 4px 4px rgb(114, 155,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6414, 28.2124, 19.9277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 155, 113) }
```

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

```
.background{ background-color: rgb(114,  
155, 113) }
```

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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