

Converting Colors

XYZ(21.6761, 28.5379, 25.2919)

Have a look what the booklet for
XYZ(21.6761, 28.5379, 25.2919)
contains.

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Color

**XYZ(21.7283, 28.6420,
25.1521)**

Conversions

Conversions Part 1

Format	Color
Hex	689D81
RGB	104, 157, 129
RGB Percent	41%, 62%, 51%
CMY	0.5922, 0.3843, 0.4941
CMYK	0.34, 0.00, 0.18, 0.38
HSL	148°, 21%, 51%
HSV	148°, 34%, 62%
XYZ	21.7283, 28.6420, 25.1521
YIQ	137.9610, -22.6000, -19.9440

Conversions

Conversions Part 2

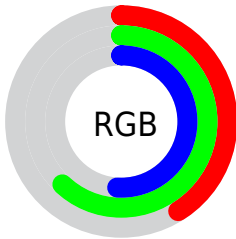
Format	Color
RYB	104, 140, 157
Decimal	6856065
CIELab	60.46, -23.86, 9.12
CIElCh	60, 25.545, 159.085
Yxy	28.6420, 0.2877, 0.3793
Android (android.graphics.Color)	4285046145 (0xFF689D81)
YUV	137.9610, -4.4178, -29.7838
Hunter-Lab	53.5182, -21.1862, 9.5981

Details

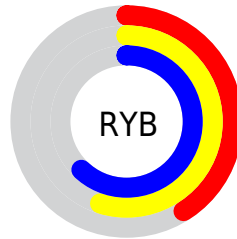
The XYZ color **21.7283, 28.6420, 25.1521** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.0207, 18.7353, 24.2338**, and the grayscale version is **24.1657, 25.4242, 27.6869**.

A 20% lighter version of the original color is **45.8916, 57.6325, 52.9614**, and **8.0209, 11.4666, 9.3799** is the 20% darker color. If you saturate the color by 10%, you get **19.5438, 27.5778, 22.2879**, and if you desaturate by 10%, it is **24.2985, 29.9014, 28.2693**.

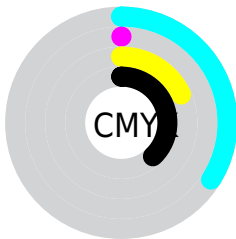
Distribution



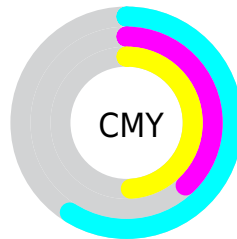
- Red (41%)
- Green (62%)
- Blue (51%)



- Red (41%)
- Yellow (55%)
- Blue (62%)



- Cyan (34%)
- Magenta (0%)
- Yellow (18%)
- Black (38%)



- Cyan (59%)
- Magenta (38%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7283, 28.6420, 25.1521 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 21.7283, 28.6420, 25.1521 by changing the saturation by 10% instead.

■ 21.7283, 28.6420,
25.1521

■ 21.7283, 28.6420,
25.1521

253.7832,
295.5220, 292.0664

■ 13.7729, 18.8102,
15.9704

■ 45.7787, 57.5078,
52.8710

■ 8.0435, 11.5332,
9.3491

■ 62.6044, 77.3106,
72.2453

■ 4.1748, 6.4267,
4.8696

■ 83.1176, 101.2058,
95.8542

■ 1.8015, 3.1062,
2.1136

■ 107.6837,
129.5778, 124.1162

■ 0.5186, 1.1874,
0.6238

136.6679,
162.8110, 157.4499

■ 0.0000, 0.0514,
0.0000

170.4356,

■ 0.0000, 0.0000,

201.2899, 196.2738

0.0000

209.3523,
245.3988, 241.0065

■ 21.7283, 28.6420,
25.1521

■ 21.7283, 28.6420,
25.1521

■ 19.5438, 27.5778,
22.2879

■ 24.2985, 29.9014,
28.2693

■ 17.7226, 26.6950,
19.6683

■ 27.2705, 31.3619,
31.6437

■ 16.2438, 25.9838,
17.2871

■ 30.6621, 33.0334,
35.2819

■ 15.0831, 25.4318,
15.1373

■ 34.4897, 34.9241,
39.1897

■ 14.2128, 25.0249,
13.2114

■ 38.7686, 37.0417,
43.3727

■ 13.6000, 24.7462,
11.5013

■ 43.5132, 39.3938,
47.8362

■ 13.2954, 24.6102,
10.5379

■ 48.7374, 41.9873,
52.5855

■ 54.4546, 44.8289,
57.6258

■ 60.6774, 47.9253,
62.9619

Harmonies

Analogous

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



23.4244, 28.6420, 19.1251



21.7283, 28.6420, 25.1521



21.4391, 28.6420, 34.1372

Triad

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



21.7283, 28.6420, 25.1521



28.2351, 28.6420, 52.7306



32.4382, 28.6420, 21.0963

Complementary

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



21.7283, 28.6420, 25.1521



23.0207, 18.7353, 24.2338

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.



33.9644, 28.6420, 28.4105



21.7283, 28.6420, 25.1521



31.4124, 28.6420, 47.4801

Square

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



21.7283, 28.6420, 25.1521



25.0257, 28.6420, 51.3700



33.5746, 28.6420, 38.1157



29.5461, 28.6420, 17.1325

Rectangle

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



21.7283, 28.6420, 25.1521



22.0579, 28.6420, 40.8546



33.5746, 28.6420, 38.1157



33.1382, 28.6420, 23.1779

Sweetspot

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



21.7291, 28.6432, 25.1527



50.9148, 57.1869, 58.9369



24.1141, 30.0418, 17.6246



11.0344, 12.5003, 12.7853



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.



21.7291, 28.6432, 25.1527



35.7173, 49.7361, 40.8889



23.7028, 29.4327, 35.5464



6.6744, 7.4505, 7.7203



10.8163, 19.9945, 8.6556



0.2146, 0.3660, 0.2666

Inverse Universe

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



23.0207, 18.7353, 24.2338



38.4122, 29.0573, 38.9663



21.4451, 18.1050, 15.9367



6.7721, 6.7018, 7.6511



12.5783, 6.3359, 7.2965



0.2462, 0.1218, 0.2427

Previews

White Background



This preview shows how the XYZ color 21.7283, 28.6420, 25.1521 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 21.7283, 28.6420, 25.1521 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 21.7283, 28.6420, 25.1521

Background



This preview shows how black text looks on a background with the XYZ color 21.7283, 28.6420, 25.1521.

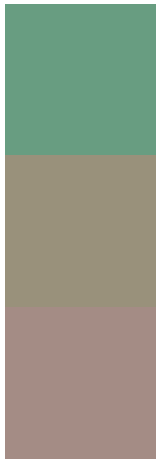


This preview shows how white text looks on a background with the XYZ color 21.7283, 28.6420,

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

21.7283, 28.6420, 25.1521

Protanopia

26.8374, 28.4532, 22.8164

Deuteranopia

28.9216, 28.3421, 26.1365



Tritanopia

24.6112, 28.5816, 39.3416

Trichromacy



Original Color

21.7283, 28.6420, 25.1521

Protanomaly

24.4408, 28.1265, 23.5428

Deuteranomaly

25.5991, 27.9745, 25.8802

Tritanomaly

23.4482, 28.5968, 33.5620

Monochromacy



Original Color

21.7283, 28.6420, 25.1521

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

23.1028, 26.4357, 26.8066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7283, 28.6420, 25.1521 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(104, 157, 129)` looks like.

```
.text, #text, p{  
    color:rgb(104, 157, 129)  
}
```

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(104, 157, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 157, 129) }
```

Border

The CSS property to change the border of an element to XYZ 21.7283, 28.6420, 25.1521 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(104, 157, 129) }
```


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

```
.border{ border-color:rgb(104, 157, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 157, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 157, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 157, 129);  
box-shadow:4px 4px 4px 4px rgb(104, 157,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7283, 28.6420, 25.1521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 157, 129) }
```

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

```
.background{ background-color: rgb(104,  
157, 129) }
```

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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