

Converting Colors

XYZ(21.1343, 25.6597, 20.6738)

Have a look what the booklet for
XYZ(21.1343, 25.6597, 20.6738)
contains.

XYZ(21.0820, 25.5282, 20.6459)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.0820, 25.5282,
20.6459)**

Conversions

Conversions Part 1

Format	Color
Hex	789175
RGB	120, 145, 117
RGB Percent	47%, 57%, 46%
CMY	0.5294, 0.4314, 0.5412
CMYK	0.17, 0.00, 0.19, 0.43
HSL	114°, 11%, 51%
HSV	114°, 19%, 57%
XYZ	21.0820, 25.5282, 20.6459
YIQ	134.3330, -5.9120, -14.0080

Conversions

Conversions Part 2

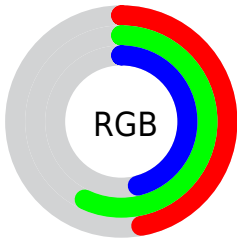
Format	Color
RYB	117, 145, 142
Decimal	7901557
CIELab	57.59, -14.52, 11.97
CIELCh	58, 18.819, 140.489
Yxy	25.5282, 0.3135, 0.3796
Android (android.graphics.Color)	4286091637 (0xFF789175)
YUV	134.3330, -8.5452, -12.5700
Hunter-Lab	50.5254, -13.9395, 11.1405

Details

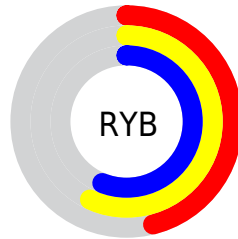
The XYZ color **21.0820, 25.5282, 20.6459** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.6285, 20.5184, 29.5572**, and the grayscale version is **22.8151, 24.0033, 26.1396**.

A 20% lighter version of the original color is **44.8184, 52.5957, 45.3259**, and **7.6754, 9.7747, 7.1124** is the 20% darker color. If you saturate the color by 10%, you get **18.6190, 24.3502, 16.4197**, and if you desaturate by 10%, it is **23.9213, 26.8864, 25.5802**.

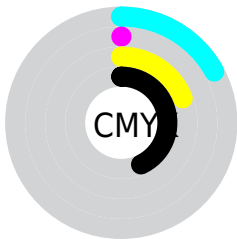
Distribution



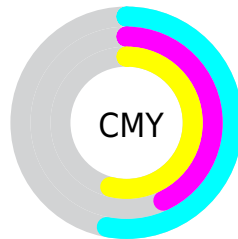
- Red (47%)
- Green (57%)
- Blue (46%)



- Red (46%)
- Yellow (57%)
- Blue (56%)



- Cyan (17%)
- Magenta (0%)
- Yellow (19%)
- Black (43%)



- Cyan (53%)
- Magenta (43%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0820, 25.5282, 20.6459 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 21.0820, 25.5282, 20.6459 by changing the saturation by 10% instead.

■ 21.0820, 25.5282,
20.6459

■ 21.0820, 25.5282,
20.6459

250.4374,
280.4583, 268.1096

■ 13.2968, 16.4710,
12.6767

■ 44.7142, 52.5128,
45.3706

■ 7.7116, 9.8581,
7.0782

■ 61.2919, 71.2091,
62.9631

■ 3.9612, 5.3050,
3.4319

■ 81.5311, 93.8871,
84.6006

■ 1.6802, 2.4273,
1.3192

105.7972,
120.9314, 110.7014

■ 0.4438, 0.8399,
0.0774

134.4555,
152.7262, 141.6842

■ 0.0000, 0.0000,
0.0000

167.8714,

189.6561, 177.9674

206.4103,
232.1053, 219.9697

■ 21.0820, 25.5282,
20.6459

■ 21.0820, 25.5282,
20.6459

■ 18.6190, 24.3502,
16.4197

■ 23.9213, 26.8864,
25.5802

■ 16.5144, 23.3417,
12.8676

■ 27.1497, 28.4285,
31.2512

■ 14.7522, 22.4959,
9.9553

■ 30.7818, 30.1622,
37.6880

■ 13.3141, 21.8042,
7.6446

■ 34.8310, 32.0938,
44.9177

■ 12.1801, 21.2572,
5.8935

■ 39.3098, 34.2293,
52.9658

■ 11.3281, 20.8445,
4.6546

■ 44.2306, 36.5743,
61.8571

■ 10.7330, 20.5544,
3.8725

■ 49.6049, 39.1345,
71.6148

■ 10.3524, 20.3679,
3.4145

■ 55.4440, 41.9150,
82.2618

■ 10.3317, 20.3579,
3.3849

■ 61.7587, 44.9211,
93.8197

Harmonies

Analogous

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



22.7832, 25.5282, 17.7449



21.0820, 25.5282, 20.6459



20.2487, 25.5282, 25.8019

Triad

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



21.0820, 25.5282, 20.6459



23.5572, 25.5282, 41.8661



28.5384, 25.5282, 23.6873

Complementary

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



21.0820, 25.5282, 20.6459



22.6285, 20.5184, 29.5572

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.



28.7773, 25.5282, 29.8900



21.0820, 25.5282, 20.6459



25.8071, 25.5282, 41.0665

Square

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



21.0820, 25.5282, 20.6459



21.6185, 25.5282, 38.4721



27.7506, 25.5282, 36.4311



27.1165, 25.5282, 19.3037

Rectangle

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



21.0820, 25.5282, 20.6459



20.2601, 25.5282, 30.1090



27.7506, 25.5282, 36.4311



28.7630, 25.5282, 25.6044

Sweetspot

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



21.0827, 25.5293, 20.6465



44.6026, 48.9907, 48.8981



24.5224, 26.5720, 20.6664



9.8523, 10.8651, 10.7552



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



21.0827, 25.5293, 20.6465



35.8352, 44.7989, 33.6674



21.3410, 25.5853, 24.1445



5.3932, 6.0553, 5.7739



8.8735, 17.4671, 2.9038



0.0933, 0.1714, 0.0282

Inverse Universe

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



22.6285, 20.5184, 29.5572



39.1033, 34.2000, 52.5139



22.3609, 20.4716, 25.4257



5.5702, 5.4821, 6.7933



12.2231, 5.7948, 23.4514



0.1274, 0.0608, 0.2247

Previews

White Background



This preview shows how the XYZ color 21.0820, 25.5282, 20.6459 looks on a white background.

Color Contrast Check

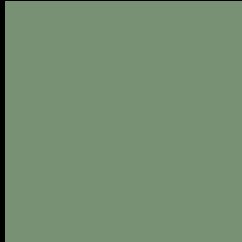
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0820, 25.5282, 20.6459 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 21.0820, 25.5282, 20.6459

Background



This preview shows how black text looks on a background with the XYZ color 21.0820, 25.5282, 20.6459.



This preview shows how white text looks on a background with the XYZ color 21.0820, 25.5282,

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

21.0820, 25.5282, 20.6459

Protanopia

23.9232, 25.4802, 19.2801

Deuteranopia

25.8782, 25.4002, 21.3081



Tritanopia

23.5682, 25.4262, 32.9437

Trichromacy



Original Color

21.0820, 25.5282, 20.6459

Protanomaly

22.8787, 25.5830, 19.6518

Deuteranomaly

23.7770, 25.1525, 21.0545

Tritanomaly

22.6454, 25.4952, 28.1536

Monochromacy



Original Color

21.0820, 25.5282, 20.6459

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.0380, 24.4026, 23.9707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0820, 25.5282, 20.6459 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(120, 145, 117)` looks like.

```
.text, #text, p{  
    color:rgb(120, 145, 117)  
}
```

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(120, 145, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 145, 117) }
```

Border

The CSS property to change the border of an element to XYZ 21.0820, 25.5282, 20.6459 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(120, 145, 117) }
```


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

```
.border{ border-color:rgb(120, 145, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 145, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 145, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 145, 117);  
box-shadow:4px 4px 4px 4px rgb(120, 145,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0820, 25.5282, 20.6459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 145, 117) }
```

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

```
.background{ background-color: rgb(120,  
145, 117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor