

Converting Colors

XYZ(20.0072, 25.8140, 12.8808)

Have a look what the booklet for
XYZ(20.0072, 25.8140, 12.8808)
contains.

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Color

**XYZ(20.0559, 25.8610,
12.9514)**

Conversions

Conversions Part 1

Format	Color
Hex	789457
RGB	120, 148, 87
RGB Percent	47%, 58%, 34%
CMY	0.5294, 0.4196, 0.6588
CMYK	0.19, 0.00, 0.41, 0.42
HSL	88°, 26%, 46%
HSV	88°, 41%, 58%
XYZ	20.0559, 25.8610, 12.9514
YIQ	132.6740, 2.8930, -24.9070

Conversions

Conversions Part 2

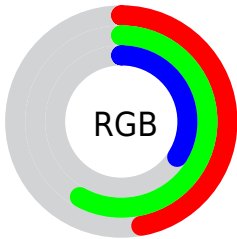
Format	Color
R_{YB}	87, 148, 115
Decimal	7902295
CIE _{Lab}	57.90, -20.88, 29.06
CIE _{LCh}	58, 35.788, 125.700
Yxy	25.8610, 0.3407, 0.4393
Android (android.graphics.Color)	4286092375 (0xFF789457)
YUV	132.6740, -22.5173, -11.1151
Hunter-Lab	50.8537, -18.5964, 20.4976

Details

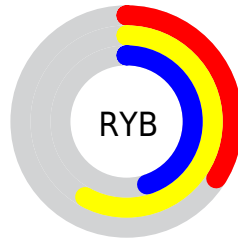
The XYZ color **20.0559, 25.8610, 12.9514** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.8248, 12.6001, 29.6164**, and the grayscale version is **22.2548, 23.4138, 25.4977**.

A 20% lighter version of the original color is **42.9416, 52.9603, 32.0039**, and **7.1835, 10.0047, 3.5600** is the 20% darker color. If you saturate the color by 10%, you get **18.6033, 25.1758, 10.0443**, and if you desaturate by 10%, it is **21.7007, 26.6325, 16.5158**.

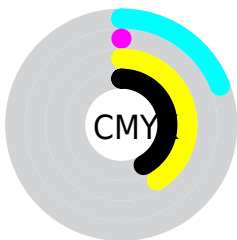
Distribution



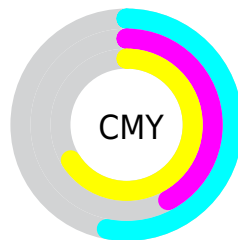
- Red (47%)
- Green (58%)
- Blue (34%)



- Red (34%)
- Yellow (58%)
- Blue (45%)



- Cyan (19%)
- Magenta (0%)
- Yellow (41%)
- Black (42%)



- Cyan (53%)
- Magenta (42%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0559, 25.8610, 12.9514 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 20.0559, 25.8610, 12.9514 by changing the saturation by 10% instead.

■ 20.0559, 25.8610,
12.9514

■ 20.0559, 25.8610,
12.9514

245.0454,
282.0991, 221.8028

■ 12.5442, 16.7197,
7.2648

■ 43.0141, 53.0506,
31.9064

■ 7.1903, 10.0348,
3.5473

■ 59.1913, 71.8677,
46.0117

■ 3.6288, 5.4221,
1.3804

■ 78.9877, 94.6789,
63.7604

■ 1.4943, 2.4970,
0.1264

■ 102.7687,
121.8684, 85.5710

■ 0.3220, 0.8751,
0.0000

■ 130.8996,
153.8209, 111.8620

■ 0.0000, 0.0000,
0.0000

163.7458,

190.9205, 143.0520

201.6726,
233.5518, 179.5594

■ 20.0559, 25.8610,
12.9514

■ 20.0559, 25.8610,
12.9514

■ 18.6033, 25.1758,
10.0443

■ 21.7007, 26.6325,
16.5158

■ 17.3319, 24.5698,
7.7525

■ 23.5440, 27.4905,
20.7726

■ 16.2325, 24.0400,
6.0319


■ 25.5944, 28.4393,
25.7564


■ 15.2940, 23.5817,
4.8318


■ 27.8590, 29.4820,
31.4993


■ 14.5035, 23.1898,
4.0924


■ 30.3447, 30.6215,
38.0309

 13.9039, 22.8891,
3.6852

 33.0582, 31.8605,
45.3799

 36.0058, 33.2017,
53.5729

 39.1933, 34.6476,
62.6358

 42.6267, 36.2008,
72.5932

Harmonies

Analogous

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



23.7665, 25.8610, 10.5331



20.0559, 25.8610, 12.9514



17.7765, 25.8610, 19.4797

Triad

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



20.0559, 25.8610, 12.9514



21.3261, 25.8610, 55.7892



33.7793, 25.8610, 25.8671

Complementary

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



20.0559, 25.8610, 12.9514



15.8248, 12.6001, 29.6164

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.



32.9299, 25.8610, 39.0937



20.0559, 25.8610, 12.9514



25.4121, 25.8610, 58.9791

Square

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



20.0559, 25.8610, 12.9514



18.4476, 25.8610, 44.3960



29.7381, 25.8610, 52.1541



31.9401, 25.8610, 16.4586

Rectangle

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



20.0559, 25.8610, 12.9514



17.2100, 25.8610, 26.4164



29.7381, 25.8610, 52.1541



33.8011, 25.8610, 29.9750

Sweetspot

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



20.0565, 25.8621, 12.9520



44.7704, 49.9984, 44.4835



20.0022, 19.1213, 11.6537



10.1219, 11.3682, 9.9122



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.0565, 25.8621, 12.9520



33.1226, 44.5613, 18.2965



16.5323, 24.0453, 12.7870



6.0113, 6.6136, 6.2002



11.9072, 19.5663, 3.1491



0.1798, 0.2570, 0.0401

Inverse Universe

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



15.8248, 12.6001, 29.6164



24.6654, 18.0456, 51.6177



20.4228, 14.9704, 29.8316



5.7373, 5.7556, 7.2783



6.6293, 2.8901, 24.1395



0.1145, 0.0526, 0.2970

Previews

White Background



This preview shows how the XYZ color 20.0559, 25.8610, 12.9514 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 20.0559, 25.8610, 12.9514 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 20.0559, 25.8610, 12.9514

Background



This preview shows how black text looks on a background with the XYZ color 20.0559, 25.8610, 12.9514.



This preview shows how white text looks on a background with the XYZ color 20.0559, 25.8610,

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

20.0559, 25.8610, 12.9514

Protanopia

23.7817, 25.7807, 12.1103

Deuteranopia

26.2122, 25.7459, 13.4854



Tritanopia

24.0988, 25.6903, 33.3943

Trichromacy



Original Color

20.0559, 25.8610, 12.9514

Protanomaly

22.1279, 25.5773, 12.3650

Deuteranomaly

23.5116, 25.3992, 13.3362

Tritanomaly

22.3229, 25.6391, 24.1944

Monochromacy



Original Color

20.0559, 25.8610, 12.9514

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.1430, 24.0271, 20.0463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0559, 25.8610, 12.9514 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, 148, 87)` looks like.

```
.text, #text, p{  
    color:rgb(120, 148, 87)  
}
```

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, 148, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 148, 87) }
```

Border

The CSS property to change the border of an element to XYZ 20.0559, 25.8610, 12.9514 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, 148, 87) }
```


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

```
.border{ border-color:rgb(120, 148, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 148, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 148, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 148, 87);  
box-shadow:4px 4px 4px 4px rgb(120, 148,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0559, 25.8610, 12.9514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 148, 87) }
```

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

```
.background{ background-color: rgb(120,  
148, 87) }
```

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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