

Converting Colors

XYZ(20.2384, 28.7303, 17.7969)

Have a look what the booklet for
XYZ(20.2384, 28.7303, 17.7969)
contains.

XYZ(20.2662, 28.8142, 17.8582)	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(20.2662, 28.8142,
17.8582)**

Conversions

Conversions Part 1

Format	Color
Hex	63A069
RGB	99, 160, 105
RGB Percent	39%, 63%, 41%
CMY	0.6118, 0.3725, 0.5882
CMYK	0.38, 0.00, 0.34, 0.37
HSL	126°, 24%, 51%
HSV	126°, 38%, 63%
XYZ	20.2662, 28.8142, 17.8582
YIQ	135.4910, -18.7010, -30.0370

Conversions

Conversions Part 2

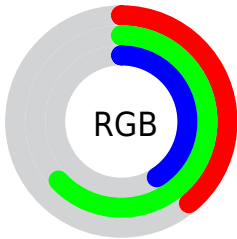
Format	Color
RYB	99, 155, 160
Decimal	6529129
CIELab	60.62, -31.54, 22.62
CIElCh	61, 38.812, 144.349
Yxy	28.8142, 0.3028, 0.4305
Android (android.graphics.Color)	4284719209 (0xFF63A069)
YUV	135.4910, -15.0321, -32.0026
Hunter-Lab	53.6789, -26.5462, 17.8503

Details

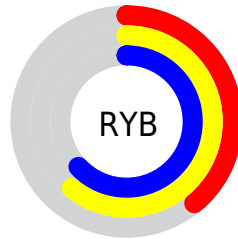
The XYZ color **20.2662, 28.8142, 17.8582** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.7927, 18.7309, 32.8815**, and the grayscale version is **23.2715, 24.4834, 26.6625**.

A 20% lighter version of the original color is **43.3351, 57.7106, 40.7535**, and **7.3200, 11.6489, 5.7336** is the 20% darker color. If you saturate the color by 10%, you get **18.0088, 27.7298, 14.2050**, and if you desaturate by 10%, it is **22.9973, 30.1299, 22.1914**.

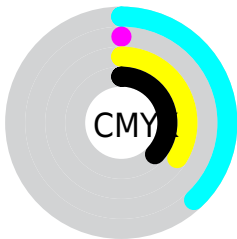
Distribution



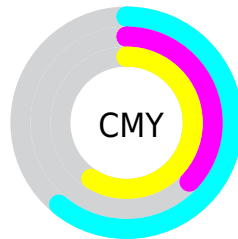
- Red (39%)
- Green (63%)
- Blue (41%)



- Red (39%)
- Yellow (61%)
- Blue (63%)



- Cyan (38%)
- Magenta (0%)
- Yellow (34%)
- Black (37%)



- Cyan (61%)
- Magenta (37%)
- Yellow (59%)
- Black (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2662, 28.8142, 17.8582 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 20.2662, 28.8142, 17.8582 by changing the saturation by 10% instead.

■ 20.2662, 28.8142,
17.8582

■ 20.2662, 28.8142,
17.8582

246.1588,
296.3373, 252.2798

■ 12.6981, 18.9403,
10.6798

■ 43.3636, 57.7818,
40.6062

■ 7.2965, 11.6272,
5.7405

■ 59.6236, 77.6442,
57.0130

■ 3.6962, 6.4903,
2.6217

■ 79.5115, 101.6050,
77.3329

■ 1.5317, 3.1455,
0.9036

■ 103.3929,
130.0484, 101.9846

■ 0.3473, 1.2081,
0.0000

131.6329,
163.3590, 131.3866

■ 0.0000, 0.0683,
0.0000

164.5970,

■ 0.0000, 0.0000,

201.9211, 165.9575

0.0000

202.6505,
246.1191, 206.1157

■ 20.2662, 28.8142,
17.8582

■ 20.2662, 28.8142,
17.8582

■ 18.0088, 27.7298,
14.2050

■ 22.9973, 30.1299,
22.1914

■ 16.1958, 26.8599,
11.1956

■ 26.2246, 31.6853,
27.2348

■ 14.7985, 26.1913,
8.7931


■ 29.9719, 33.4930,
33.0187


■ 13.7836, 25.7077,
6.9564


■ 34.2607, 35.5634,
39.5715


■ 13.1126, 25.3903,
5.6390


■ 39.1114, 37.9064,
46.9199


 12.7218, 25.2073,
4.7865

 44.5434, 40.5315,
55.0894

 12.6630, 25.1794,
4.6728

 50.5751, 43.4476,
64.1042

 57.2239, 46.6634,
73.9876

 64.5069, 50.1869,
84.7621

Harmonies

Analogous

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



23.5957, 28.8142, 12.3217



20.2662, 28.8142, 17.8582



18.8579, 28.8142, 28.7286

Triad

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



20.2662, 28.8142, 17.8582



26.4471, 28.8142, 67.7241



37.1597, 28.8142, 21.2976

Complementary

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



20.2662, 28.8142, 17.8582



24.7927, 18.7309, 32.8815

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.



38.1638, 28.8142, 34.1765



20.2662, 28.8142, 17.8582



31.5641, 28.8142, 63.9140

Square

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



20.2662, 28.8142, 17.8582



22.1357, 28.8142, 59.6368



36.0065, 28.8142, 50.4098



33.4094, 28.8142, 13.8406

Rectangle

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



20.2662, 28.8142, 17.8582



19.0569, 28.8142, 38.7382



36.0065, 28.8142, 50.4098



37.8474, 28.8142, 25.0073

Sweetspot

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



20.2669, 28.8154, 17.8588



52.2149, 59.7480, 56.5622



28.3257, 33.0043, 16.6821



11.2609, 13.0116, 12.1111



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.



20.2669, 28.8154, 17.8588



33.1602, 50.5695, 26.5480



22.0611, 29.5331, 27.3067



6.5759, 7.4111, 7.2016



9.8721, 19.6168, 3.6833



0.1833, 0.3535, 0.1018

Inverse Universe

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



24.7927, 18.7309, 32.8815



42.6014, 29.5142, 57.8733



22.6244, 17.8636, 21.4634



6.8760, 6.7433, 8.1982



15.2391, 7.4002, 21.3078



0.2798, 0.1352, 0.4196

Previews

White Background



This preview shows how the XYZ color 20.2662, 28.8142, 17.8582 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 20.2662, 28.8142, 17.8582 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 20.2662, 28.8142, 17.8582

Background



This preview shows how black text looks on a background with the XYZ color 20.2662, 28.8142, 17.8582.



This preview shows how white text looks on a background with the XYZ color 20.2662, 28.8142,

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

20.2662, 28.8142, 17.8582

Protanopia

26.4781, 28.4208, 15.8946

Deuteranopia

28.9871, 28.5399, 18.7328



Tritanopia

24.7383, 28.8786, 39.8676

Trichromacy



Original Color

20.2662, 28.8142, 17.8582

Protanomaly

23.5718, 28.0706, 16.4877

Deuteranomaly

24.8175, 27.9699, 18.2781

Tritanomaly

22.9098, 28.8859, 30.3547

Monochromacy



Original Color

20.2662, 28.8142, 17.8582

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.6374, 25.5393, 22.8580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2662, 28.8142, 17.8582 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(99, 160, 105)` looks like.

```
.text, #text, p{  
    color:rgb(99, 160, 105)  
}
```

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(99, 160, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 160, 105) }
```

Border

The CSS property to change the border of an element to XYZ 20.2662, 28.8142, 17.8582 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(99, 160, 105) }
```


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

```
.border{ border-color:rgb(99, 160, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 160, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 160, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 160, 105);  
box-shadow:4px 4px 4px 4px rgb(99, 160,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2662, 28.8142, 17.8582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 160, 105) }
```

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

```
.background{ background-color: rgb(99, 160,  
105) }
```

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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