

Converting Colors

XYZ(20.0378, 28.2388, 25.0821)

Have a look what the booklet for
XYZ(20.0378, 28.2388, 25.0821)
contains.

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Color

**XYZ(20.1069, 28.3125,
25.1740)**

Conversions

Conversions Part 1

Format	Color
Hex	559F81
RGB	85, 159, 129
RGB Percent	33%, 62%, 51%
CMY	0.6667, 0.3765, 0.4941
CMYK	0.47, 0.00, 0.19, 0.38
HSL	156°, 30%, 48%
HSV	156°, 47%, 62%
XYZ	20.1069, 28.3125, 25.1740
YIQ	133.4540, -34.4740, -25.0180

Conversions

Conversions Part 2

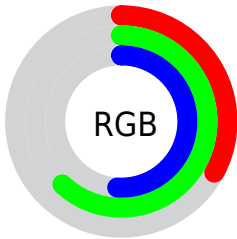
Format	Color
R_{YB}	85, 131, 159
Decimal	5611393
CIE _{Lab}	60.17, -30.39, 8.58
CIE _{LCh}	60, 31.582, 164.244
Yxy	28.3125, 0.2732, 0.3847
Android (android.graphics.Color)	4283801473 (0xFF559F81)
YUV	133.4540, -2.1958, -42.4942
Hunter-Lab	53.2095, -25.6647, 9.1959

Details

The XYZ color **20.1069, 28.3125, 25.1740** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.6420, 15.1065, 18.0487**, and the grayscale version is **22.4773, 23.6479, 25.7526**.

A 20% lighter version of the original color is **43.1375, 56.9595, 52.9767**, and **7.2411, 11.3706, 9.4025** is the 20% darker color. If you saturate the color by 10%, you get **18.4075, 27.4851, 22.9282**, and if you desaturate by 10%, it is **22.1593, 29.3202, 27.5787**.

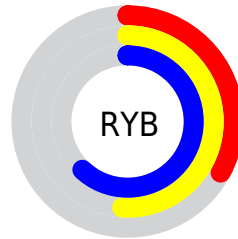
Distribution



Red (33%)

Green (62%)

Blue (51%)



Red (33%)

Yellow (51%)

Blue (62%)

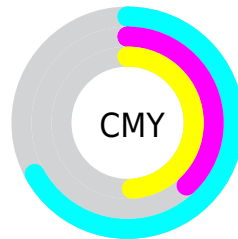


Cyan (47%)

Magenta (0%)

Yellow (19%)

Black (38%)



Cyan (67%)

Magenta (38%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1069, 28.3125, 25.1740 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 20.1069, 28.3125, 25.1740 by changing the saturation by 10% instead.

■ 20.1069, 28.3125,
25.1740

■ 20.1069, 28.3125,
25.1740

245.3158,
293.9572, 292.1787

■ 12.5815, 18.5614,
15.9865

■ 43.0989, 56.9830,
52.9070

■ 7.2160, 11.3538,
9.3604

■ 59.2962, 76.6711,
72.2896

■ 3.6451, 6.3053,
4.8770

■ 79.1149, 100.4403,
95.9076

■ 1.5034, 3.0316,
2.1178

■ 102.9202,
128.6751, 124.1797

■ 0.3281, 1.1483,
0.6263

■ 131.0777,
161.7598, 157.5243

■ 0.0000, 0.0188,
0.0000

163.9525,

■ 0.0000, 0.0000,

200.0787, 196.3600

0.0000

201.9101,
244.0164, 241.1053

■ 20.1069, 28.3125,
25.1740

■ 20.1069, 28.3125,
25.1740

■ 18.4075, 27.4851,
22.9282

■ 22.1593, 29.3202,
27.5787

■ 17.0362, 26.8231,
20.8356

■ 24.5828, 30.5153,
30.1439

■ 15.9685, 26.3146,
18.8933


■ 27.3970, 31.9086,
32.8734


■ 15.1755, 25.9447,
17.0969


■ 30.6193, 33.5089,
35.7706


■ 14.6144, 25.6915,
15.4418


■ 34.2662, 35.3249,
38.8384

 14.4433, 25.6151,
14.9000

 38.3532, 37.3643,
42.0799

 42.8950, 39.6347,
45.4981

 47.9056, 42.1433,
49.0957

 53.3984, 44.8970,
52.8755

Harmonies

Analogous

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



21.8475, 28.3125, 17.4822



20.1069, 28.3125, 25.1740



20.0632, 28.3125, 36.6297

Triad

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



20.1069, 28.3125, 25.1740



28.8665, 28.3125, 57.7989



32.8655, 28.3125, 17.7682

Complementary

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



20.1069, 28.3125, 25.1740



20.6420, 15.1065, 18.0487

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.



35.1607, 28.3125, 25.6728



20.1069, 28.3125, 25.1740



32.7001, 28.3125, 49.6623

Square

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



20.1069, 28.3125, 25.1740



24.8560, 28.3125, 57.5682



35.0973, 28.3125, 37.2698



29.0745, 28.3125, 13.9947

Rectangle

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



20.1069, 28.3125, 25.1740



20.9876, 28.3125, 45.1122



35.0973, 28.3125, 37.2698



33.8537, 28.3125, 19.9298

Sweetspot

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



20.1077, 28.3136, 25.1746



50.3107, 57.7618, 60.0244



21.2191, 29.1549, 13.1039



11.0893, 12.8967, 13.2984



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.



20.1077, 28.3136, 25.1746



32.8218, 49.1521, 40.8574



21.3692, 27.1635, 36.9190



6.7079, 7.4639, 7.8964



11.4284, 20.2393, 11.8789



0.2249, 0.3701, 0.3208

Inverse Universe

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



20.6420, 15.1065, 18.0487



33.9088, 22.4912, 26.5140



19.6940, 15.5382, 10.5560



6.7389, 6.6885, 7.4764



12.0541, 6.1262, 4.5361



0.2359, 0.1177, 0.1884

Previews

White Background



This preview shows how the XYZ color 20.1069, 28.3125, 25.1740 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 20.1069, 28.3125, 25.1740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

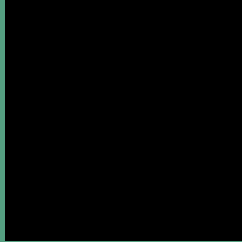
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1069, 28.3125, 25.1740

Background



This preview shows how black text looks on a background with the XYZ color 20.1069, 28.3125, 25.1740.



This preview shows how white text looks on a background with the XYZ color 20.1069, 28.3125,

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

20.1069, 28.3125, 25.1740

Protanopia

26.3733, 28.0024, 22.1041

Deuteranopia

28.3665, 27.8401, 26.0689



Tritanopia

23.1579, 28.2973, 40.3178

Trichromacy



Original Color

20.1069, 28.3125, 25.1740

Protanomaly

23.2876, 27.5393, 23.1570

Deuteranomaly

24.2753, 27.2920, 25.8182

Tritanomaly

21.9526, 28.3010, 34.4426

Monochromacy



Original Color

20.1069, 28.3125, 25.1740

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.0403, 24.7249, 25.4932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1069, 28.3125, 25.1740 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(85, 159, 129)` looks like.

```
.text, #text, p{  
    color:rgb(85, 159, 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(85, 159, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 159, 129) }
```

Border

The CSS property to change the border of an element to XYZ 20.1069, 28.3125, 25.1740 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(85, 159, 129) }
```


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

```
.border{ border-color:rgb(85, 159, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 159, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 159, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 159, 129);  
box-shadow:4px 4px 4px 4px rgb(85, 159,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1069, 28.3125, 25.1740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 159, 129) }
```

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

```
.background{ background-color: rgb(85, 159,  
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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