

Converting Colors

XYZ(20.0789, 28.4199, 37.9460)

Have a look what the booklet for
XYZ(20.0789, 28.4199, 37.9460)
contains.

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Color

**XYZ(20.1742, 28.5765,
38.1707)**

Conversions

Conversions Part 1

Format	Color
Hex	2BA1A1
RGB	43, 161, 161
RGB Percent	17%, 63%, 63%
CMY	0.8313, 0.3686, 0.3686
CMYK	0.73, 0.00, 0.00, 0.37
HSL	180°, 58%, 40%
HSV	180°, 73%, 63%
XYZ	20.1742, 28.5765, 38.1707
YIQ	125.7180, -70.3280, -25.0160

Conversions

Conversions Part 2

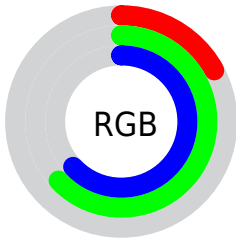
Format	Color
R_{YB}	43, 102, 161
Decimal	2859425
CIE _{Lab}	60.41, -31.08, -9.29
CIE _{LCh}	60, 32.438, 196.637
Yxy	28.5765, 0.2321, 0.3288
Android (android.graphics.Color)	4281049505 (0xFF2BA1A1)
YUV	125.7180, 17.3940, -72.5437
Hunter-Lab	53.4570, -26.1854, -4.9158

Details

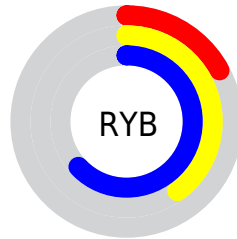
The XYZ color **20.1742, 28.5765, 38.1707** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.9989, 9.4803, 3.2732**, and the grayscale version is **19.6968, 20.7225, 22.5668**.

A 20% lighter version of the original color is **43.1349, 57.2577, 73.7442**, and **8.2831, 12.0631, 16.6437** is the 20% darker color. If you saturate the color by 10%, you get **19.6280, 28.2955, 38.1457**, and if you desaturate by 10%, it is **20.9886, 28.9970, 38.2095**.

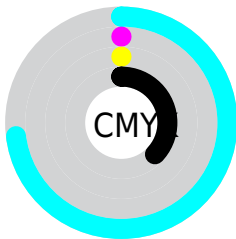
Distribution



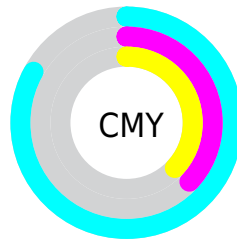
- Red (17%)
- Green (63%)
- Blue (63%)



- Red (17%)
- Yellow (40%)
- Blue (63%)



- Cyan (73%)
- Magenta (0%)
- Yellow (0%)
- Black (37%)



- Cyan (83%)
- Magenta (37%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1742, 28.5765, 38.1707 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 20.1742, 28.5765, 38.1707 by changing the saturation by 10% instead.

■ 20.1742, 28.5765,
38.1707

■ 20.1742, 28.5765,
38.1707

245.6722,
295.2115, 353.6718

■ 12.6307, 18.7607,
25.8123

■ 43.2108, 57.4035,
73.5760

■ 7.2500, 11.4975,
16.4588

■ 59.4346, 77.1836,
97.4601

■ 3.6667, 6.4025,
9.6915

■ 79.2825, 101.0538,
126.0231

■ 1.5153, 3.0913,
5.0920

■ 103.1200,
129.3986, 159.6836

■ 0.3362, 1.1796,
2.2417

■ 131.3124,
162.6023, 198.8602

■ 0.0000, 0.0450,
0.6983

164.2250,

■ 0.0000, 0.0000,

201.0495, 243.9714

0.0000

202.2231,
245.1244, 295.4358

■ 20.1742, 28.5765,
38.1707

■ 20.1742, 28.5765,
38.1707

■ 19.6280, 28.2955,
38.1457

■ 20.9886, 28.9970,
38.2095

■ 19.3139, 28.1336,
38.1309

■ 22.0966, 29.5681,
38.2615

■ 19.1783, 28.0637,
38.1245

■ 23.5235, 30.3038,
38.3283

■ 25.2914, 31.2151,
38.4111

■ 27.4202, 32.3126,
38.5108

■ 29.9283, 33.6056,
38.6283

■ 32.8331, 35.1030,
38.7643

■ 36.1505, 36.8132,
38.9196

■ 39.8959, 38.7440,
39.0950

Harmonies

Analogous

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



20.0770, 28.5765, 26.0993



20.1742, 28.5765, 38.1707



22.0148, 28.5765, 50.9957

Triad

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



20.1742, 28.5765, 38.1707



33.4238, 28.5765, 49.7156



29.0585, 28.5765, 13.6818

Complementary

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



20.1742, 28.5765, 38.1707



15.9989, 9.4803, 3.2732

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.



33.0528, 28.5765, 17.2173



20.1742, 28.5765, 38.1707



35.7418, 28.5765, 36.7353

Square

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



20.1742, 28.5765, 38.1707



29.5244, 28.5765, 58.7424



35.5994, 28.5765, 24.9871



24.9274, 28.5765, 13.8793

Rectangle

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



20.1742, 28.5765, 38.1707



24.1012, 28.5765, 57.3449



35.5994, 28.5765, 24.9871



30.4697, 28.5765, 14.4247

Sweetspot

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



20.1751, 28.5776, 38.1714



49.4703, 58.0553, 68.9847



14.2627, 26.2224, 6.5962



10.6228, 12.6155, 15.1187



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.



20.1751, 28.5776, 38.1714



34.7490, 50.4662, 68.2948



12.3775, 12.9822, 35.5727



7.2761, 8.0113, 9.0659



15.3167, 22.4130, 30.4481



0.3218, 0.4709, 0.6398

Inverse Universe

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



15.9989, 9.4803, 3.2732



26.8489, 14.3397, 2.2778



19.6956, 16.8738, 4.5054



7.0738, 7.0860, 7.3750



11.7388, 6.0516, 0.5494



0.2467, 0.1272, 0.0115

Previews

White Background



This preview shows how the XYZ color 20.1742, 28.5765, 38.1707 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 20.1742, 28.5765, 38.1707 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

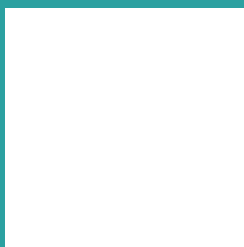
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1742, 28.5765, 38.1707

Background



This preview shows how black text looks on a background with the XYZ color 20.1742, 28.5765, 38.1707.

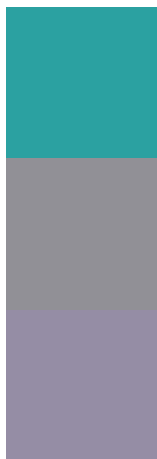


This preview shows how white text looks on a background with the XYZ color 20.1742, 28.5765,

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

20.1742, 28.5765, 38.1707

Protanopia

27.1553, 28.1683, 32.8599

Deuteranopia

28.7108, 28.1559, 39.5187



Tritanopia

21.2098, 28.4786, 43.4088

Trichromacy



Original Color

20.1742, 28.5765, 38.1707

Protanomaly

22.9234, 27.3339, 34.6396

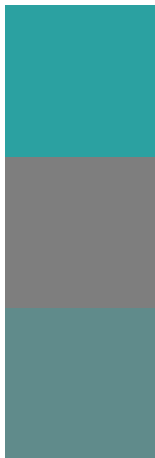
Deuteranomaly

23.7212, 27.1751, 39.1170

Tritanomaly

20.8576, 28.5971, 41.4663

Monochromacy



Original Color

20.1742, 28.5765, 38.1707

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.7167, 22.8161, 27.8436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1742, 28.5765, 38.1707 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(43, 161, 161)` looks like.

```
.text, #text, p{  
    color:rgb(43, 161, 161)  
}
```

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(43, 161, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 161, 161) }
```

Border

The CSS property to change the border of an element to XYZ 20.1742, 28.5765, 38.1707 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(43, 161, 161) }
```


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

```
.border{ border-color:rgb(43, 161, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 161, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 161, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 161, 161);  
box-shadow:4px 4px 4px 4px rgb(43, 161,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1742, 28.5765, 38.1707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 161, 161) }
```

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

```
.background{ background-color: rgb(43, 161,  
161) }
```

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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