

Converting Colors

XYZ(20.8617, 34.8041, 26.5604)

Have a look what the booklet for
XYZ(20.8617, 34.8041, 26.5604)
contains.

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Color

**XYZ(20.8397, 34.8149,
26.3905)**

Conversions

Conversions Part 1

Format	Color
Hex	17B581
RGB	23, 181, 129
RGB Percent	9%, 71%, 51%
CMY	0.9098, 0.2902, 0.4941
CMYK	0.87, 0.00, 0.29, 0.29
HSL	160°, 77%, 40%
HSV	160°, 87%, 71%
XYZ	20.8397, 34.8149, 26.3905
YIQ	127.8300, -77.4760, -49.6680

Conversions

Conversions Part 2

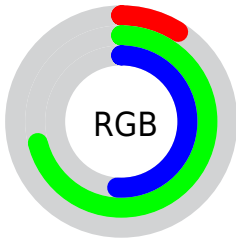
Format	Color
RYB	23, 118, 181
Decimal	1553793
CIELab	65.60, -50.24, 16.00
CIELCh	66, 52.728, 162.336
Yxy	34.8149, 0.2540, 0.4243
Android (android.graphics.Color)	4279743873 (0xFF17B581)
YUV	127.8300, 0.5768, -91.9359
Hunter-Lab	59.0042, -40.2128, 14.7846

Details

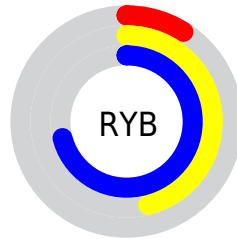
The XYZ color **20.8397, 34.8149, 26.3905** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **20.6337, 10.9455, 7.6838**, and the grayscale version is **20.4777, 21.5441, 23.4615**.

A 20% lighter version of the original color is **44.3849, 67.2932, 54.9055**, and **9.0373, 15.7579, 10.1547** is the 20% darker color. If you saturate the color by 10%, you get **20.1639, 34.5118, 24.3522**, and if you desaturate by 10%, it is **21.8136, 35.2708, 28.5649**.

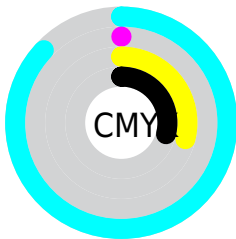
Distribution



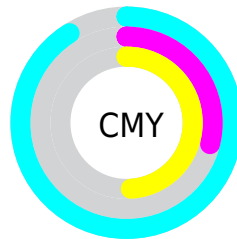
- Red (9%)
- Green (71%)
- Blue (51%)



- Red (9%)
- Yellow (46%)
- Blue (71%)



- Cyan (87%)
- Magenta (0%)
- Yellow (29%)
- Black (29%)



- Cyan (91%)
- Magenta (29%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8397, 34.8149, 26.3905 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 20.8397, 34.8149, 26.3905 by changing the saturation by 10% instead.

■ 20.8397, 34.8149,
26.3905

■ 20.8397, 34.8149,
26.3905

249.1732,
323.7506, 298.3600

■ 13.1187, 23.5203,
16.8876

■ 44.3139, 67.1989,
54.8960

■ 7.5879, 14.9782,
9.9933

■ 60.7978, 89.0572,
74.7358

■ 3.8820, 8.8041,
5.2890

■ 80.9333, 115.2054,
98.8583

■ 1.6356, 4.6136,
2.3561

■ 105.0858,
146.0280, 127.6820

■ 0.4154, 2.0224,
0.7624

■ 133.6207,
181.9095, 161.6254

■ 0.0000, 0.6204,
0.0000

■ 166.9034,

■ 0.0000, 0.0000,

223.2341, 201.1073

0.0000

205.2991,
270.3864, 246.5459

■ 20.8397, 34.8149,
26.3905

■ 20.8397, 34.8149,
26.3905

■ 20.1639, 34.5118,
24.3522

■ 21.8136, 35.2708,
28.5649

■ 20.0020, 34.4400,
23.8206

■ 23.1421, 35.9058,
30.8776

■ 24.8668, 36.7423,
33.3334

■ 27.0225, 37.7983,
35.9357

■ 29.6402, 39.0896,
38.6879

■ 32.7481, 40.6306,
41.5930

■ 36.3717, 42.4347,
44.6541

■ 40.5351, 44.5141,
47.8739

■ 45.2606, 46.8802,
51.2554

Harmonies

Analogous

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



24.0459, 34.8149, 14.3249



20.8397, 34.8149, 26.3905



20.5778, 34.8149, 47.7617

Triad

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



20.8397, 34.8149, 26.3905



36.3729, 34.8149, 96.6459



45.3549, 34.8149, 15.8393

Complementary

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



20.8397, 34.8149, 26.3905



20.6337, 10.9455, 7.6838

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.



49.8612, 34.8149, 29.5114



20.8397, 34.8149, 26.3905



44.1588, 34.8149, 78.9451

Square

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



20.8397, 34.8149, 26.3905



28.7774, 34.8149, 94.7452



49.3922, 34.8149, 52.3656



37.8144, 34.8149, 10.0731

Rectangle

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



20.8397, 34.8149, 26.3905



22.0422, 34.8149, 65.5792



49.3922, 34.8149, 52.3656



47.3239, 34.8149, 19.3753

Sweetspot

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



20.8406, 34.8163, 26.3913



59.1660, 73.0230, 74.9462



19.6339, 34.6341, 6.4614



12.3511, 15.5659, 15.8077



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.8406, 34.8163, 26.3913



35.7126, 61.6354, 42.0853



20.3610, 26.8519, 47.8275



8.6213, 9.5830, 10.2656



13.8215, 23.7546, 16.5946



0.4604, 0.7576, 0.6567

Inverse Universe

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



20.6337, 10.9455, 7.6838



35.4762, 18.1330, 8.6913



20.3242, 12.1114, 2.0777



8.6079, 8.5499, 9.4335



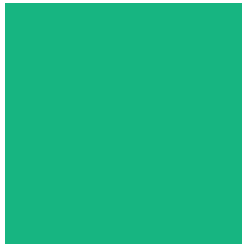
13.7203, 7.0057, 3.6873



0.4593, 0.2315, 0.2615

Previews

White Background



This preview shows how the XYZ color 20.8397, 34.8149, 26.3905 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 20.8397, 34.8149, 26.3905 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 ✓ Pass

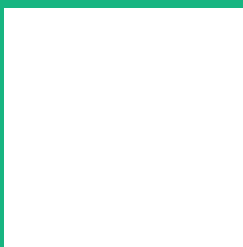
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8397, 34.8149, 26.3905

Background



This preview shows how black text looks on a background with the XYZ color 20.8397, 34.8149, 26.3905.



This preview shows how white text looks on a background with the XYZ color 20.8397, 34.8149,

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

20.8397, 34.8149, 26.3905

Protanopia

31.8591, 34.1967, 22.0610

Deuteranopia

34.6575, 34.0295, 27.6634



Tritanopia

26.0706, 34.5747, 52.8765

Trichromacy



Original Color

20.8397, 34.8149, 26.3905



Protanomaly

24.3515, 32.3906, 23.3809



Deuteranomaly

25.6430, 32.1729, 27.0488



Tritanomaly

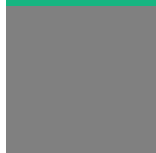
23.7193, 34.4691, 41.9623

Monochromacy



Original Color

20.8397, 34.8149, 26.3905



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

18.5464, 24.5996, 24.1928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8397, 34.8149, 26.3905 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(23, 181, 129)` looks like.

```
.text, #text, p{  
    color:rgb(23, 181, 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(23, 181, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 181, 129) }
```

Border

The CSS property to change the border of an element to XYZ 20.8397, 34.8149, 26.3905 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(23, 181, 129) }
```


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

```
.border{ border-color:rgb(23, 181, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 181, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 181, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 181, 129);  
box-shadow:4px 4px 4px 4px rgb(23, 181,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8397, 34.8149, 26.3905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 181, 129) }
```

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

```
.background{ background-color: rgb(23, 181,  
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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