

Converting Colors

CIELCh(20, 4.231, 204.509)

Have a look what the booklet for
CIELCh(20, 4.231, 204.509) contains.

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Color

CIELCh(20, 4.041, 208.425)

Conversions

Conversions Part 1

Format	Color
Hex	293233
RGB	41, 50, 51
RGB Percent	16%, 20%, 20%
CMY	0.8393, 0.8040, 0.8001
CMYK	0.20, 0.02, 0.00, 0.80
HSL	186°, 11%, 18%
HSV	186°, 20%, 20%
XYZ	2.6502, 2.9891, 3.5666
YIQ	47.4230, -5.6850, -1.5970

Conversions

Conversions Part 2

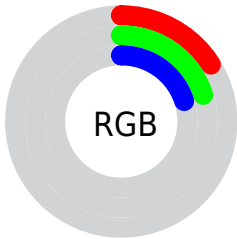
Format	Color
R_{YB}	41, 46, 51
Decimal	2699827
CIE _{Lab}	20.00, -3.55, -1.92
CIE _{LCh}	20, 4.041, 208.425
Yxy	2.9891, 0.2879, 0.3247
Android (android.graphics.Color)	4280889907 (0xFF293233)
YUV	47.4230, 1.7635, -5.6330
Hunter-Lab	17.2889, -2.8929, -0.1291

Details

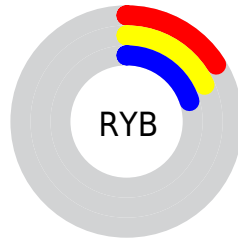
The CIELCh color **20, 4.041, 208.425** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 4.510, 29.059**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 4.093, 207.560**, and **0, 2.016, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **19, 5.934, 208.380**, and if you desaturate by 10%, it is **21, 2.028, 208.559**.

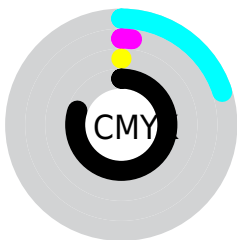
Distribution



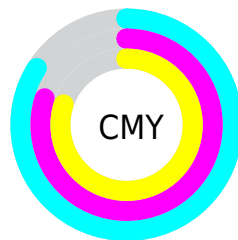
- Red (16%)
- Green (20%)
- Blue (20%)



- Red (16%)
- Yellow (18%)
- Blue (20%)



- Cyan (20%)
- Magenta (2%)
- Yellow (0%)
- Black (80%)



- Cyan (84%)
- Magenta (80%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 4.041, 208.425 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 CIELCh color 20, 4.041, 208.425 by changing the saturation by 10% instead.

 20, 4.041, 208.425

 20, 4.041, 208.425

 100, 4.041,
208.425

 10, 4.041, 208.425

 0, 4.041, 208.425

 40, 4.041, 208.425

 50, 4.041, 208.425

 60, 4.041, 208.425

 70, 4.041, 208.425

 80, 4.041, 208.425

 90, 4.041, 208.425

 20, 4.041, 208.425

 20, 4.041, 208.425

■ 19, 5.934, 208.380

■ 21, 2.028, 208.559

■ 19, 7.684, 208.438

■ 21, 0.083, 26.007

■ 18, 9.265, 208.603

■ 22, 2.270, 28.703

■ 18, 10.653,
208.891

■ 23, 4.517, 28.983

■ 18, 11.829,
209.323

■ 23, 6.808, 29.260

■ 24, 9.130, 29.551

■ 17, 12.776,
209.921

■ 25, 11.472, 29.854

■ 17, 13.607,
210.562

■ 26, 13.826, 30.167

■ 27, 16.184, 30.485

■ 16, 14.482,
211.071

■ 16, 14.517,
211.088

Harmonies

Complementary

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



20, 4.041, 208.425



18, 4.510, 29.059

Rectangle

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



20, 4.041, 208.425



20, 4.041, 258.425



20, 4.041, 28.425



20, 4.041, 78.425

Sweetspot

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



20, 4.041, 208.416



28, 1.589, 208.657



20, 7.853, 145.732



12, 1.031, 208.658



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



20, 4.041, 208.416



26, 6.072, 208.384



18, 4.378, 266.219



9, 1.169, 208.594



31, 20.867, 212.776



72, 39.451, 214.389

Inverse Universe

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



18, 7.775, 328.206



23, 11.873, 328.487



20, 4.471, 81.751



8, 2.179, 327.632



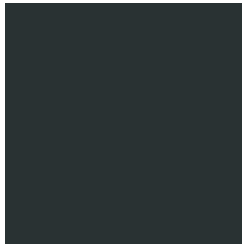
19, 49.951, 332.314



50, 94.440, 332.709

Previews

White Background



This preview shows how the CIELCh color 20, 4.041, 208.425 looks on a white background.

Color Contrast Check

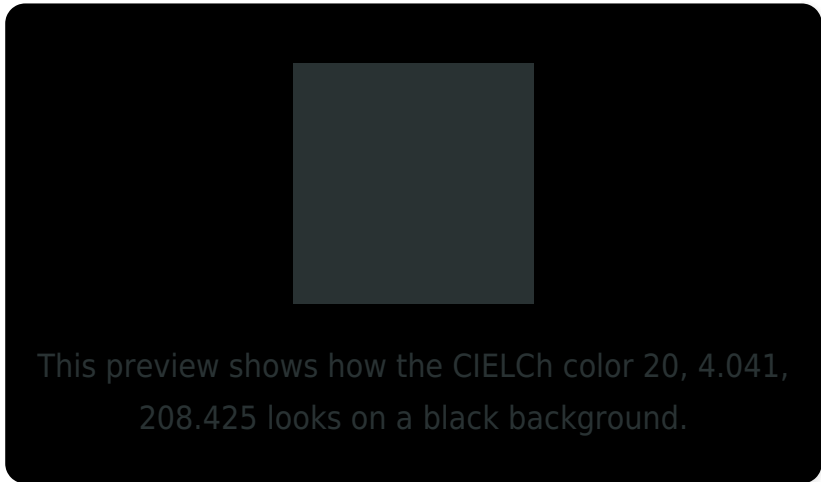
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

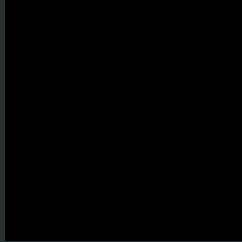
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

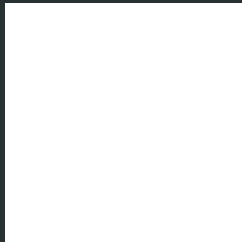
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 20, 4.041, 208.425

Background



This preview shows how black text looks on a background with the CIELCh color 20, 4.041, 208.425.

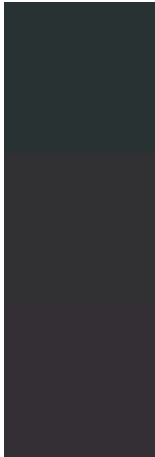


This preview shows how white text looks on a background with the CIELCh color 20, 4.041, 208.425.

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

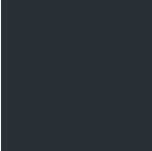
20, 4.041, 208.425

Protanopia

20, 1.447, 309.182

Deuteranopia

20, 3.893, 319.146



Tritanopia
20, 4.695, 234.386

Trichromacy



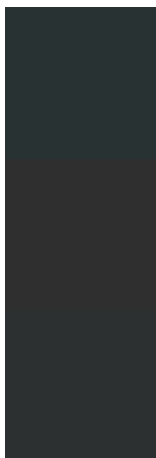
Original Color
20, 4.041, 208.425

Protanomaly
20, 1.522, 225.881

Deuteranomaly
20, 2.756, 281.379

Tritanomaly
20, 4.384, 226.629

Monochromacy



Original Color
20, 4.041, 208.425

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 1.387, 199.269

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 4.041, 208.425 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(41, 50, 51)` looks like.

```
.text, #text, p{  
    color:rgb(41, 50, 51)  
}
```

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(41, 50, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 50, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 4.041, 208.425 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(41, 50, 51) }
```

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

```
.border{ border-color:rgb(41, 50, 51) }
```

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

Here you see how a box with a 4 pixel rgb(41, 50, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 50, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 50, 51);  
box-shadow:4px 4px 4px 4px rgb(41, 50, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 4.041, 208.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 50, 51) }
```

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

```
.background{ background-color: rgb(41, 50,  
51) }
```

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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