

Converting Colors

XYZ(21.8091, 34.1650, 10.4615)

Have a look what the booklet for
XYZ(21.8091, 34.1650, 10.4615)
contains.

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Color

**XYZ(21.8463, 34.1990,
10.4507)**

Conversions

Conversions Part 1

Format	Color
Hex	65B041
RGB	101, 176, 65
RGB Percent	40%, 69%, 25%
CMY	0.6039, 0.3098, 0.7451
CMYK	0.43, 0.00, 0.63, 0.31
HSL	101°, 46%, 47%
HSV	101°, 63%, 69%
XYZ	21.8463, 34.1990, 10.4507
YIQ	140.9210, -9.0690, -50.4210

Conversions

Conversions Part 2

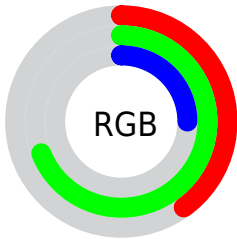
Format	Color
RYB	65, 176, 140
Decimal	6664257
CIELab	65.12, -43.38, 48.29
CIELCh	65, 64.913, 131.932
Yxy	34.1990, 0.3285, 0.5143
Android (android.graphics.Color)	4284854337 (0xFF65B041)
YUV	140.9210, -37.4291, -35.0107
Hunter-Lab	58.4799, -35.6577, 30.3405

Details

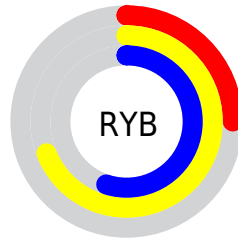
The XYZ color **21.8463, 34.1990, 10.4507** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **20.5437, 12.4918, 42.4045**, and the grayscale version is **25.4319, 26.7563, 29.1377**.

A 20% lighter version of the original color is **45.9721, 66.1657, 27.1779**, and **8.1491, 14.7123, 2.5538** is the 20% darker color. If you saturate the color by 10%, you get **20.1774, 33.3897, 8.1136**, and if you desaturate by 10%, it is **23.8684, 35.1741, 13.6349**.

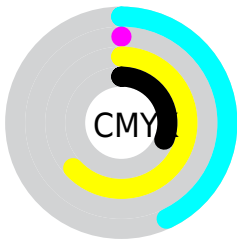
Distribution



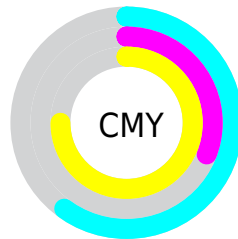
- Red (40%)
- Green (69%)
- Blue (25%)



- Red (25%)
- Yellow (69%)
- Blue (55%)



- Cyan (43%)
- Magenta (0%)
- Yellow (63%)
- Black (31%)





- Cyan (60%)
- Magenta (31%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8463, 34.1990, 10.4507 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 21.8463, 34.1990, 10.4507 by changing the saturation by 10% instead.


 21.8463, 34.1990,
10.4507


 21.8463, 34.1990,
10.4507

254.3900,
321.0185, 204.4595


 13.8600, 23.0465,
5.5893


 45.9726, 66.2430,
27.2608

 8.1044, 14.6279,
2.5323


 62.8432, 87.9033,
40.0466


 4.2142, 8.5586,
0.8572


 83.4061, 113.8350,
56.3109

 1.8240, 4.4544,
0.0000

 108.0264,
144.4226, 76.4723

 0.5321, 1.9309,
0.0000

 137.0696,
180.0503, 100.9493

 0.0000, 0.5668,
0.0000

170.9011,

 0.0000, 0.0000,

221.1026, 130.1605

0.0000

209.8861,
267.9638, 164.5244

■ 21.8463, 34.1990,
10.4507

■ 21.8463, 34.1990,
10.4507

■ 20.1774, 33.3897,
8.1136

■ 23.8684, 35.1741,
13.6349

■ 18.8358, 32.7315,
6.5402

■ 26.2623, 36.3200,
17.7348

■ 17.7950, 32.2139,
5.6344

■ 29.0483, 37.6466,
22.8142

■ 17.2178, 31.9242,
5.2545

■ 32.2440, 39.1620,
28.9310

■ 35.8663, 40.8736,
36.1383

■ 39.9307, 42.7883,
44.4857

■ 44.4522, 44.9129,
54.0197

■ 49.4449, 47.2536,
64.7841

■ 54.9223, 49.8166,
76.8207

Harmonies

Analogous

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



28.9041, 34.1990, 6.0581



21.8463, 34.1990, 10.4507



18.1532, 34.1990, 23.3602

Triad

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



21.8463, 34.1990, 10.4507



27.2074, 34.1990, 111.4744



53.6295, 34.1990, 27.5134

Complementary

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



21.8463, 34.1990, 10.4507



20.5437, 12.4918, 42.4045

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.



52.9322, 34.1990, 55.7430



21.8463, 34.1990, 10.4507



36.3934, 34.1990, 114.4850

Square

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



21.8463, 34.1990, 10.4507



20.8116, 34.1990, 83.7397



46.1655, 34.1990, 90.6586



47.9188, 34.1990, 12.2249

Rectangle

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



21.8463, 34.1990, 10.4507



17.5613, 34.1990, 39.0121



46.1655, 34.1990, 90.6586



54.1630, 34.1990, 35.5164

Sweetspot

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



21.8471, 34.2005, 10.4515



60.8386, 72.1407, 57.1139



28.0927, 28.0785, 8.9406



12.7994, 15.4518, 11.6183



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.8471, 34.2005, 10.4515



35.4862, 60.0137, 13.3380



19.2871, 32.8083, 13.6020



8.6399, 9.6194, 9.0539



12.6878, 23.4509, 3.8578



0.4619, 0.7702, 0.1243

Inverse Universe

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



20.5437, 12.4918, 42.4045



32.8024, 17.3021, 76.1061



25.9247, 15.4631, 33.7424



8.5768, 8.5059, 10.6961



11.3873, 5.2062, 30.5417



0.4162, 0.1937, 0.9637

Previews

White Background



This preview shows how the XYZ color 21.8463, 34.1990, 10.4507 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 21.8463, 34.1990, 10.4507 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 21.8463, 34.1990, 10.4507

Background



This preview shows how black text looks on a background with the XYZ color 21.8463, 34.1990, 10.4507.



This preview shows how white text looks on a background with the XYZ color 21.8463, 34.1990,

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

21.8463, 34.1990, 10.4507

Protanopia

30.5518, 33.5541, 9.1413

Deuteranopia

34.3571, 33.7631, 11.0094



Tritanopia

29.2367, 34.1177, 47.1639

Trichromacy



Original Color

21.8463, 34.1990, 10.4507

Protanomaly

26.3577, 33.1946, 9.5754

Deuteranomaly

28.0008, 32.7121, 10.6326

Tritanomaly

25.5134, 33.6928, 28.8256

Monochromacy



Original Color

21.8463, 34.1990, 10.4507

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.1404, 28.7391, 19.9504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8463, 34.1990, 10.4507 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(101, 176, 65)` looks like.

```
.text, #text, p{  
    color:rgb(101, 176, 65)  
}
```

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(101, 176, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 176, 65) }
```

Border

The CSS property to change the border of an element to XYZ 21.8463, 34.1990, 10.4507 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(101, 176, 65) }
```


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

```
.border{ border-color:rgb(101, 176, 65) }
```

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

Here you see how a box with a 4 pixel rgb(101, 176, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 176, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 176, 65);  
box-shadow:4px 4px 4px 4px rgb(101, 176,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8463, 34.1990, 10.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 176, 65) }
```

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

```
.background{ background-color: rgb(101,  
176, 65) }
```

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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