

Converting Colors

XYZ(20.2704, 32.7938, 24.0004)

Have a look what the booklet for
XYZ(20.2704, 32.7938, 24.0004)
contains.

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Color

**XYZ(20.2704, 32.7938,
24.0004)**

Conversions

Conversions Part 1

Format	Color
Hex	33AF7B
RGB	51, 175, 123
RGB Percent	20%, 69%, 48%
CMY	0.8000, 0.3137, 0.5176
CMYK	0.71, 0.00, 0.30, 0.31
HSL	155°, 55%, 44%
HSV	155°, 71%, 69%
XYZ	20.2704, 32.7938, 24.0004
YIQ	131.9960, -57.2120, -42.4600

Conversions

Conversions Part 2

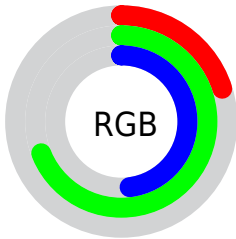
Format	Color
RYB	51, 129, 175
Decimal	3387259
CIELab	63.99, -46.07, 17.11
CIELCh	64, 49.144, 159.630
Yxy	32.7938, 0.2630, 0.4255
Android (android.graphics.Color)	4281577339 (0xFF33AF7B)
YUV	131.9960, -4.4350, -71.0335
Hunter-Lab	57.2659, -37.0316, 15.2374

Details

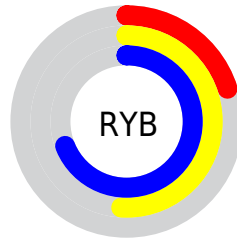
The XYZ color **20.2704, 32.7938, 24.0004** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **21.3123, 12.4617, 14.1155**, and the grayscale version is **21.9619, 23.1056, 25.1620**.

A 20% lighter version of the original color is **43.2224, 63.7971, 51.1103**, and **8.0734, 14.1692, 8.7880** is the 20% darker color. If you saturate the color by 10%, you get **19.1068, 32.2459, 21.6374**, and if you desaturate by 10%, it is **21.8020, 33.5291, 26.5619**.

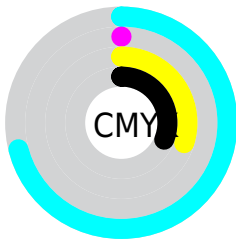
Distribution



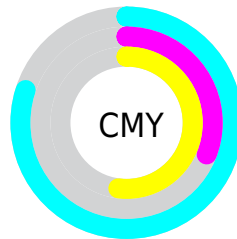
- Red (20%)
- Green (69%)
- Blue (48%)



- Red (20%)
- Yellow (51%)
- Blue (69%)



- Cyan (71%)
- Magenta (0%)
- Yellow (30%)
- Black (31%)





- Cyan (80%)
- Magenta (31%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2704, 32.7938, 24.0004 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 20.2704, 32.7938, 24.0004 by changing the saturation by 10% instead.


 20.2704, 32.7938,
24.0004


 20.2704, 32.7938,
24.0004

246.1810,
314.7196, 286.1091


 12.7012, 21.9685,
15.1217


 43.3706, 64.0535,
50.9747


 7.2987, 13.8338,
8.7573


 59.6322, 85.2567,
69.9074


 3.6976, 8.0051,
4.4886


 79.5220, 110.6879,
93.0285

 1.5325, 4.0982,
1.8970

 103.4053,
140.7317, 120.7565

 0.3478, 1.7287,
0.4908

 131.6475,
175.7724, 153.5101

 0.0000, 0.4421,
0.0000

164.6139,

 0.0000, 0.0000,

216.1943, 191.7077

0.0000

202.6700,
262.3819, 235.7678

■ 20.2704, 32.7938,
24.0004

■ 20.2704, 32.7938,
24.0004

■ 19.1068, 32.2459,
21.6374

■ 21.8020, 33.5291,
26.5619

■ 18.2683, 31.8609,
19.4647

■ 23.7331, 34.4655,
29.3251

■ 17.7096, 31.6127,
17.6382

■ 26.0945, 35.6195,
32.2957

■ 28.9134, 37.0052,
35.4786

■ 32.2144, 38.6351,
38.8784

■ 36.0205, 40.5210,
42.4997

■ 40.3530, 42.6738,
46.3466

■ 45.2321, 45.1039,
50.4234

■ 50.6769, 47.8211,
54.7340

Harmonies

Analogous

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



23.4182, 32.7938, 13.6391



20.2704, 32.7938, 24.0004



19.7896, 32.7938, 42.4800

Triad

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



20.2704, 32.7938, 24.0004



33.4526, 32.7938, 88.1066



42.6023, 32.7938, 16.4753

Complementary

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



20.2704, 32.7938, 24.0004



21.3123, 12.4617, 14.1155

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.



46.2423, 32.7938, 29.6949



20.2704, 32.7938, 24.0004



40.4664, 32.7938, 73.9099

Square

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



20.2704, 32.7938, 24.0004



26.7567, 32.7938, 84.7729



45.4075, 32.7938, 50.7092



36.0427, 32.7938, 10.5463

Rectangle

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



20.2704, 32.7938, 24.0004



20.9606, 32.7938, 58.0971



45.4075, 32.7938, 50.7092



44.2490, 32.7938, 19.9653

Sweetspot

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



20.2713, 32.7951, 24.0012



57.3710, 69.0324, 69.3086



21.7231, 33.8875, 8.5285



12.3799, 15.1596, 15.0318



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.



20.2713, 32.7951, 24.0012



33.3087, 57.3285, 36.5247



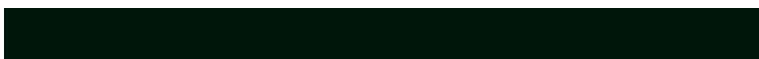
22.8741, 31.3401, 45.4026



8.0921, 9.0144, 9.5100



12.7132, 22.6505, 12.7952



0.3802, 0.6407, 0.4955

Inverse Universe

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



21.3123, 12.4617, 14.1155



35.3272, 18.7057, 17.9508



19.8554, 12.5092, 4.5005



8.1394, 8.0690, 9.0446



13.5605, 6.8867, 5.3310



0.4049, 0.2027, 0.2942

Previews

White Background



This preview shows how the XYZ color 20.2704, 32.7938, 24.0004 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 20.2704, 32.7938, 24.0004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

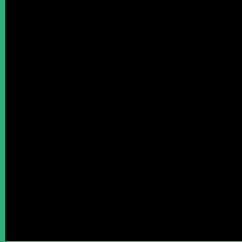
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.2704, 32.7938, 24.0004

Background



This preview shows how black text looks on a background with the XYZ color 20.2704, 32.7938, 24.0004.



This preview shows how white text looks on a background with the XYZ color 20.2704, 32.7938,

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

20.2704, 32.7938, 24.0004

Protanopia

30.0533, 32.3028, 20.2739

Deuteranopia

32.6838, 32.1119, 25.2445



Tritanopia

25.2448, 32.8373, 48.7238

Trichromacy



Original Color

20.2704, 32.7938, 24.0004



Protanomaly

24.4434, 31.4101, 21.6041



Deuteranomaly

25.4177, 30.8113, 24.6862



Tritanomaly

23.1548, 32.8221, 38.3726

Monochromacy



Original Color

20.2704, 32.7938, 24.0004



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

20.1459, 25.6484, 24.6577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2704, 32.7938, 24.0004 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(51, 175, 123)` looks like.

```
.text, #text, p{  
    color:rgb(51, 175, 123)  
}
```

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(51, 175, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 175, 123) }
```

Border

The CSS property to change the border of an element to XYZ 20.2704, 32.7938, 24.0004 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(51, 175, 123) }
```


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

```
.border{ border-color:rgb(51, 175, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 175, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 175, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 175, 123);  
box-shadow:4px 4px 4px 4px rgb(51, 175,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2704, 32.7938, 24.0004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 175, 123) }
```

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

```
.background{ background-color: rgb(51, 175,  
123) }
```

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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